

MEMORANDUM



Date: May 14, 2020
To: Jack Dinne and Joe DaVia - USACE
Steve Hurt, Emily Dolbin, and Amanda Sigillito - MDE
From: Maddy Sigrist – P3/RK&K
CC: Lisa Choplin and Jeff Folden – P3/MDOT SHA
Brian Cox and Cheryl Jordon – MDOT SHA, EPD
Caryn Brookman – I-495/I-270 MLS GEC
Karen Kahl, Erron Ramsey, Eric Almquist, Rick Maddox, Greg O’Hare, and Justin Reel – P3/RK&K
Re: Maryland Department of Transportation State Highway Administration (MDOT SHA)
I-495 & I-270 Managed Lanes Study
Wetland Delineation Report

INTRODUCTION

The I-495 & I-270 Managed Lanes Study (MLS) Natural Resources Team conducted a delineation of wetlands and waterways within the corridor study boundary (see **Appendix A, Overview and Key Maps**) from March 2018 through April 2019 on behalf of the Maryland Department of Transportation State Highway Administration (MDOT SHA), with ongoing delineation of properties pending access. The I-495 & I-270 MLS is the first element of the broader I-495 & I-270 Public Private Partnership (P3) Program, which considers improvements along the entire length of I-495, as well as the entire length of I-270 north to I-70 in Frederick County, Maryland. The I-495 & I-270 MLS will address congestion within the specific study scope of I-495 from south of the American Legion Bridge in Fairfax County, Virginia to east of the Woodrow Wilson Bridge and on I-270 from I-495 to I-370, including the east and west I-270 spurs.

The corridor study boundary is a 48-mile long, and approximately 600-foot wide, roadway corridor spanning two states and three counties: Montgomery and Prince George’s Counties in Maryland and Fairfax County in Virginia. In Virginia, the corridor study boundary falls within Virginia’s Potomac River watershed. In Maryland, the corridor study boundary falls within the Potomac River Montgomery County, Cabin John Creek, Rock Creek, Anacostia River, Western Branch, and Potomac River Upper Tidal MDE 8-digit watersheds.

A total of 407 nontidal wetlands and 1,075 stream segments were delineated within the corridor study boundary. Only one traditionally navigable waters (TNW), the Potomac River, was identified within the corridor study boundary. All other perennial waters are classified as tributaries of the Potomac or Patuxent Rivers. Long stream channels were segmented due to changes in classification, splitting by culverted sections, or other refinement needs during data processing. Therefore, the number of individual channel segments is greater than the features presented in field documents, such as photos and datasheets. **Table 1** presents the total number of delineated features by classification within the corridor study boundary. These features are depicted on the Delineated Features Maps in **Appendix B**.

Table 1. Total Delineated Features

Features	Totals
Wetlands	407
Palustrine Emergent (PEM)	117
Palustrine Forested (PFO)	269
Palustrine Scrub-Shrub (PSS)	21
Waterways	1,075
Ephemeral	140
Intermittent	464
Perennial	458
Palustrine Open Water (POW)	13

Supplemental information supporting the wetland and waterways delineation is included in **Appendices A through G**, as follows:

Appendix A:	Overview and Key Maps
Appendix B:	Delineated Features Maps
Appendix C:	Natural Resources Inventory Maps
Appendix D:	Soils Table
Appendix E:	Wetlands Functions and Values Table
Appendix F:	Field Datasheets
Appendix G:	Photo Documentation

BACKGROUND INFORMATION

The I-495 & I-270 MLS Natural Resources Team environmental scientists conducted a desktop investigation of mapped site topography; 100-year FEMA floodplain; vegetative cover; non-tidal and tidal wetlands and waterways; soil map unit boundaries; and hydric and highly erodible soils. Sources of these data included:

- The United States Geologic Survey (USGS) Geographic Information System (GIS) Quadrangle Mapping;
- The United States Department of Agriculture (USDA), NRCS *Web Soil Survey (WSS) for Montgomery and Prince George's Counties, Maryland and Fairfax County, Virginia*;
- US Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) GIS data;
- Maryland Department of Natural Resources (MDNR) Wetlands and Waters GIS data; and FEMA GIS floodplain mapping.

Desktop investigation results are summarized below.

GEOLOGY AND TOPOGRAPHY

The corridor study boundary includes the Piedmont Plateau and Atlantic Coastal Plain Physiographic Provinces. The provinces are separated by the Atlantic Seaboard Fall Line, a geomorphologic break between an upland region of relatively hard, crystalline basement rock and a coastal plain of softer sedimentary rock, which roughly matches the boundary between Montgomery and Prince George's

Counties. The Atlantic Seaboard Fall Line is both a geologic and topographic boundary, marking the boundary between two distinct areas of geologic origin and of relative elevation: the low-lying Coastal Plain and the hilly and mountainous Piedmont. The elevation within the corridor study boundary ranges from 38 to 516 feet above mean sea level (**Appendix C**). The lowest elevations occur as I-495 approaches the Woodrow Wilson Bridge in Virginia along the Potomac River on the eastern side of the corridor study boundary. The areas of highest elevation occur near the terminus of the corridor study boundary at the convergence of I-270 and I-370 along Shady Grove Road in Montgomery County.

The Piedmont Plateau Physiographic Province has broadly undulating, rolling topography underlain by metamorphic rock, with low knobs, ridges, and valleys. The corridor study boundary includes three Physiographic Districts within the Piedmont Plateau Physiographic Province: the Perry Hall Upland District, Hampstead Upland District, and Middle Potomac Gorge District (Reger & Cleaves, 2008). The Perry Hall Upland District marks the transition between the Piedmont and Atlantic Coastal Plain. Hilltops in this district are capped by Cretaceous gravels and sediments that thicken to the southeast, and rivers flow across the region in steep-walled valleys incised into crystalline rock. The Hampstead Upland District consists of rolling to hilly uplands interrupted by steep-walled gorges. This district has distinctive ridges, hills, barrens, and valleys, and its streams include short segments of narrow, steep-sided valleys. The Middle Potomac Gorge District is where the Potomac River flows through a steep sided gorge. Bedrock islands are common in this district, while rapids and falls occur downstream, including the Great Falls of the Potomac River (USDA NRCS, 2018).

The Atlantic Coastal Plain Physiographic Province is characterized by flat to moderately rolling upland and an even flatter lowland, composed of unconsolidated sediments including gravel, sand, and silt. The corridor study boundary includes four Physiographic Districts within the Atlantic Coastal Plain Physiographic Province: the Glen Burnie Rolling Upland District, Crownsville Upland District, Prince Frederick Knobby Upland District, and Waldorf Upland Plain District (Reger & Cleaves, 2008). The Glen Burnie Rolling Upland District is an undulating upland with slopes typically less than eight degrees. This district contains the pronounced Anacostia Valley, which cuts into the upland surface of Southern Maryland and contains deposits of Quaternary sand, gravel, silt, and clay with Tertiary terraces adjacent to the river. The Crownsville Upland District is an undulating upland, similar in appearance to, but somewhat more dissected than, the Glen Burnie Rolling Upland District. The Prince Frederick Knobby Upland District is a moderately to well-dissected upland with numerous small hills, occupying the area between the Patuxent River and Chesapeake Bay watersheds. The Waldorf Upland Plain District is a relatively flat upland surface in Southern Maryland comprised of alluvial plains and fluvial-estuarine terraces. Stream incision in this district creates steep-sided valleys, and much of the upland soils contain a fragipan (USDA NRCS, 2018).

SOILS

The USDA-NRCS WSS for Montgomery, Prince George's, and Fairfax Counties identified 151 mapped soil map units within the corridor study boundary (**Appendix C**). Three soil map units are classified as hydric, five soil map units are classified as predominantly hydric, five soil map units are classified as partially hydric, 33 soil map units are classified as predominantly non-hydric, and 105 soil map units are classified

as non-hydric. Fifty-four of these soil map units are classified as highly erodible soils. A summary table of the soil map units within the study corridor can be found in **Appendix D**.

WATERS OF THE UNITED STATES, INCLUDING WETLANDS

NWI and MDNR GIS mapping identified various wetland and riverine systems within or adjacent to the corridor study boundary, which are shown on the Natural Resources Inventory Maps in **Appendix C**.

FEMA 100-YEAR FLOODPLAIN

The Montgomery County portion of the corridor study boundary crosses the FEMA 100-year floodplains of several large streams, including: Muddy Branch, Watts Branch, Cabin John Creek, Booze Creek, Thomas Branch, the Potomac River, Rock Run, Rock Creek, Sligo Creek, and the Northwest Branch of the Anacostia River. The Prince George's County portion of the corridor study boundary crosses the FEMA 100-year floodplains of: Paint Branch, Little Paint Branch, Indian Creek, an unnamed tributary to Paint Branch, Beaverdam Creek, Bald Hill Branch, the Southwest Branch of the Western Branch of the Patuxent River, Ritchie Branch, and Henson Creek. The Fairfax County portion of the corridor study boundary crosses the FEMA 100-year floodplains of: the Potomac River, Dead Run, Scott Run, unnamed tributaries to Scott Run, and Bradley Branch. The corridor study boundary overlaps the FEMA 100-year floodplains of these stream systems to varying degrees. The location and extent of the 100-year floodplains of these waterways are shown on the Natural Resources Inventory Maps and the Delineated Features Maps in **Appendix C** and **Appendix B**, respectively.

CHESAPEAKE BAY CRITICAL AREA (MARYLAND)

The corridor study boundary is not located within the 1,000-foot Chesapeake Bay Critical Area boundary or the Critical Area buffer, according to Critical Area Commission for the Chesapeake & Atlantic Coastal Bays (CAC) GIS data for the state of Maryland.

CHESAPEAKE BAY PRESERVATION AREAS (VIRGINIA)

The Virginia Chesapeake Bay Preservation Act requires that Resource Protection Areas (RPAs) and Resource Management Areas (RMAs) be designated around all water bodies with perennial flow that are within jurisdictions encompassed by the Chesapeake Bay watershed in Virginia. Since the I-495 & I-270 Managed Lanes Study involves the expansion of a public road and implemented avoidance and minimization of effects on natural resources and water quality, the project is exempt from these requirements. A detailed description of the avoidance and minimization process is included in the I-495 & I-270 Managed Lanes Study Avoidance, Minimization and Impacts Report.

FIELD INVESTIGATIONS – WETLAND DELINEATION

METHODS

The I-495 & I-270 MLS corridor study boundary was split into 29 field sub-segments (see **Appendix A**) for the purposes of the wetlands and waterways field investigation, and field sub-segment numbers were incorporated into the naming convention of features within each sub-segment. Field sub-segment breaks were established at major road crossings to provide clear physical boundaries and to limit the number of features that may occupy more than one segment.

A two-tier approach was applied to fieldwork within the corridor study boundary since properties adjacent to the ROW were not fully accessible when delineation efforts began. Before delineation efforts began, MDOT SHA notified property owners of non-invasive fieldwork (i.e., involving no soil disturbance). When field teams identified potential wetland areas based on the non-invasive field visit, letters were then sent to the respective properties to request invasive access. Tier one fieldwork consisted of full delineation of wetlands and waterways features within the MDOT SHA ROW, and non-invasive access to properties adjacent to the ROW. Non-invasive access allows access for stream delineation, flagging, photography, characterization of vegetation, and surface hydrology, but not digging soil pits for soil characterization or groundwater hydrology. In areas outside of the MDOT SHA ROW, field crews delineated waterway features and conducted planning level investigation of wetlands, including conservative estimations of potential wetland boundaries based on surface hydrology and vegetation. Tier two fieldwork consisted of soils investigations to finalize delineations of the potential wetland areas identified during tier one fieldwork on public and private properties where the property owners granted MDOT SHA access to perform invasive investigations.

Environmental scientists delineated most wetlands and waterways within the corridor study boundary on behalf of MDOT SHA and VDOT from March 2018 through January 2019, with delineation ongoing for properties that have not yet permitted access. Much of the SHA right-of-way within the corridor study boundary was previously delineated as part of the Prince George's and Montgomery County Integrated Roadside Vegetation Management (IRVM) and I-270 Innovative Congestion Management (ICM) projects. All previously delineated features were field reviewed, and delineations were revised as needed for the purposes of the I-495 & I-270 MLS. No previous delineations were referenced for the Virginia portion of the corridor study boundary. Environmental scientists completed new data sheets for features delineated in areas that were not previously delineated by the IRVM or ICM projects; previously delineated features that did not have data sheets; and previously delineated features that changed classification since the previous delineation (e.g., palustrine emergent [PEM] wetland to palustrine forested [PFO] wetland or intermittent to perennial stream). Each feature was photographed and assigned a unique identifier containing the number of its associated field sub-segment and a letter designator generated alphabetically. The alphabet was repeated in the feature identifiers within a sub-segment when necessary, doubling the letter designation e.g. the first 26 features in sub-segment 1 are named 1A through 1Z, the next 26 features are named 1AA through 1ZZ, etc. All previously delineated features were re-named to match the I-495 & I-270 MLS naming convention. Boundary points were identified for each feature, marked with pink MDOT SHA flagging in the field, and numbered consecutively (e.g. 1A-A/1A-B for stream banks, 1A-1, 1A-2, 1A-3 for wetlands). Data obtained from the field reconnaissance was collected with an iPad and boundary points were located using global positioning systems (GPS).

New wetland features were delineated in accordance with the following:

- U. S. Army Corps of Engineers. 2012. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region, Version 2.0*. Ed. J.F. Berkowitz, J.S. Wakeley, R.W. Lichvar, C.V. Noble. ERDC/EL TR-12-9. Vicksburg, MS: US Army Engineer Research and Development Center;
- U. S. Army Corps of Engineers. 2010. *Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Atlantic and Gulf Coastal Plain Region, Version 2.0*. Ed. J.F. Berkowitz, J.S.

Wakeley, R.W. Lichvar, C.V. Noble. ERDC/EL TR-12-9. Vicksburg, MS: US Army Engineer Research and Development Center; and,

- Environmental Laboratory. 1987. Corps of Engineers Wetlands Delineation Manual. U.S. Army Engineer Waterways Experiment Station, Vicksburg, Miss. Technical Report Y-87-1.

These manuals employ a three-parameter approach to wetland identification using (1) hydrology, (2) hydrophytic vegetation, and (3) hydric soils. All three parameters must be present for an area to be considered a jurisdictional wetland under Section 404 of the Clean Water Act (CWA). Routine wetland determination methods with onsite inspection were used to determine the presence of wetlands in the corridor study boundary. Wetlands including dying ash trees were characterized as PFO wetlands, as requested by Maryland Department of the Environment (MDE) and US Army Corps of Engineers (USACE). Wetlands and waterways located on National Park Service (NPS) park land were identified by Cowardin classification including the system, subsystem, class, subclass, and any applicable modifiers (Cowardin, 1979).

Wetland scientists completed a functions and values assessment for all delineated wetlands using the USACE New England Method as presented in The Highway Methodology Workbook Supplement – Wetland Functions and Values; A Descriptive Approach (USACE, 1999). Along with the best professional judgment of an experienced wetland scientist, this method uses the presence of certain physical characteristics broadly understood to indicate the presence of related functions. The functions and values assessed include:

- | | |
|---|----------------------------------|
| • Groundwater recharge/discharge, | • Wildlife habitat, |
| • Floodflow alteration, | • Recreation, |
| • Fish and shellfish habitat, | • Educational/scientific value, |
| • Sediment/toxicant/pathogen retention, | • Uniqueness/heritage, |
| • Nutrient | • Visual quality/aesthetics, and |
| removal/retention/transformation, | • Endangered species habitat. |
| • Production export, | |
| • Sediment/shoreline stabilization, | |

A summary table of the functions and values for all wetlands is included in **Appendix E**, Datasheets are included in **Appendix F**, and photo documentation is included in **Appendix G**.

Waterways features were delineated using the limits defined in 33 Code of Federal Regulations (CFR) § 328. The boundaries of nontidal waterways features were set at the ordinary high water (OHW) mark and include but are not limited to: in-line stormwater management (SWM) ponds, palustrine open water (POW or ponds), stream systems (waterways), and some disturbed areas. The OHW mark was determined in the field using physical characteristics established by the fluctuations of water (e.g., change in plant community, changes in the soil character, shelving) in accordance with USACE Regulatory Guidance Letter No. 05-05. Prior to August 16, 2018, CWA jurisdiction of delineated features was determined in accordance with the June 5, 2007 joint guidance issued by EPA and USACE following the US Supreme Court's decision in the Rapanos case; and the January 19, 2001 joint guidance issued by EPA and USACE

following US Supreme Court's decision in SWANCC. After August 16, 2018, jurisdiction of new delineated features was determined in accordance with the CWR, and previously delineated feature data was supplemented to determine likely jurisdiction under the new jurisdictional definitions of Waters of the US outlined by the rule.

The MDE regulation of nontidal wetlands, nontidal wetland buffers, and waterways is based on the COMAR Title 26 Subtitle 17, Water Management; COMAR Title 26 Subtitle 23, Nontidal Wetlands; and field review of delineated features. Unlike USACE, MDE does not regulate ephemeral channels, however it does regulate isolated wetlands and certain intermittent features that may not be considered jurisdictional by USACE. USACE and MDE jurisdictional results for each delineated feature are represented in **Table 3**. Virginia Department of Environmental Quality (VDEQ) determines jurisdiction based on the Code of Virginia, Virginia Administrative Code (VAC) 62.1-44.15 and VMRC based on the Code of Virginia VAC 28.2-1204.

Between July 2018 and December 2019, representatives from the USACE, MDE, and USEPA conducted field reviews of the wetlands and waterways features delineated within the corridor study boundary. The goal of the meetings was to review representative delineated wetlands and waterways to gain general concurrence on the delineation of jurisdictional wetlands and waterways features and an Approved JD of roadside ditches and drainage features that are not considered jurisdictional by USACE, but are considered jurisdictional by MDE.

RESULTS

The I-495 & I-270 MLS Natural Resources Team conducted a wetlands and waterways delineation within the corridor study boundary from March 2018 through April 2019, with ongoing delineation of properties pending access. Detailed delineation results are summarized in **Table 3**, organized by subsegment and listed alphanumerically. Locations of all delineated features can be found on the Delineated Features Maps in **Appendix B**. Field datasheets and photographs for the new and previously delineated features can be found in **Appendices G and H**, respectively. A Summary of the Wetland Functions and Values by Wetland Feature is included in **Appendix F**.

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 1								
1A	-	Intermittent	Waters 1A is an intermittent channel located west of the on ramp from MD 5 south to the I-495 inner loop that originates at a culvert along the ramp and flows south, dissipating into Wetland 1BB for approximately 70 feet before re-channelizing and flowing into a culvert.	-	Sand, gravel, cobble, riprap Width: 3 ft Depth: 1-5 ft	Right: forest, emergent vegetation Left: forest	Yes	Yes
1A_C							Yes	Yes
1AA	02-AA	PEM	Wetland 1AA is a palustrine emergent wetland (PEM) ditch located south of the I-495 outer loop and north of Barry Drive that abuts Waters 1H.	Broad-leaf cat-tail (<i>Typha latifolia</i>)	-	-	Yes	Yes
1AAA	-	Intermittent	Waters 1AAA is an intermittent channel located south of the I-495 outer loop and east of Canterbury Way that originates at a culvert along I-495 and flows south through Wetland 1ZZ.	-	Sand, gravel, cobble Width: 3-6 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1B	-	PFO	Wetland 1B is a palustrine forested wetland (PFO) located west of the on ramp from MD 5 south to the I-495 inner loop that abuts Waters 1A.	Sweet-gum (<i>Liquidambar styraciflua</i>) Red maple (<i>Acer rubrum</i>) Green ash (<i>Fraxinus pennsylvanica</i>) Northern spicebush (<i>Lindera benzoin</i>) Sweet wood-reed (<i>Cinna arundinacea</i>) Eastern poison ivy (<i>Toxicodendron radicans</i>) Unknown grape species (<i>Vitis</i> sp.)	-	-	Yes	Yes
1BB	-	PEM	Wetland 1BB is a PEM located west of the on ramp from MD 5 south to the I-495 inner loop, along Waters 1A.	Sweet-gum Blunt broom sedge (<i>Carex tribuloides</i>) Bristly lady's-thumb (<i>Persicaria longiseta</i>)	-	-	Yes	Yes
1BBB	-	PEM	Wetland 1BBB is a PEM located south of the I-495 outer loop and north of Henson Drive that abuts Wetland 1ZZ.	Rough barnyard grass (<i>Echinochloa muricata</i>) Wand panic grass (<i>Panicum virgatum</i>)	-	-	Yes	Yes
1C	02-G	PFO	Wetland 1C is a PFO located along the toe-of-slope of the road embankment north of the I-495 inner loop and east of Beech Place that abuts Wetland 1WW.	Sweet-gum American elm (<i>Ulmus americana</i>) Smooth blackhaw (<i>Viburnum prunifolium</i>) Crow garlic (<i>Allium vineale</i>) Eastern poison ivy Japanese honeysuckle (<i>Lonicera japonica</i>)	-	-	Yes	Yes
1CC	-	PFO	Wetland 1CC is a PFO swale located west of the on ramp from MD 5 south to the I-495 inner loop that abuts Wetland 1BB.	Black tupelo (<i>Nyssa sylvatica</i>) American hornbeam (<i>Carpinus caroliniana</i>) Nanny-berry (<i>Viburnum lentago</i>) Eastern poison ivy	-	-	Yes	Yes
1CCC	-	PFO	Wetland 1CCC is a PFO located south of the I-495 outer loop and northeast of Keppler Place that abuts Waters 1VV.	Sweet-gum American elm Northern spicebush Japanese honeysuckle Sweet wood-reed Horsebrier (<i>Smilax rotundifolia</i>)	-	-	Yes	Yes
1D	02-H	Perennial	Waters 1D is a perennial channel located north and south of I-495, east of the Temple Hill Road overpass that flows southeast along the study area north of the I-495 inner loop, through culverts under an upland berm and I-495, and south outside of the study area.	-	Sand, gravel Width: 6-12 ft Depth: 3-6 ft	Right: forest Left: forest	Yes	Yes
1D_1							Yes	Yes
1D_2							Yes	Yes
1D_C							Yes	Yes
1D_C1							Yes	Yes
1DD	-	PFO	Wetland 1DD is a PFO located along a hillslope north of the I-495 inner loop and east of Temple Hill Road that abuts Waters 1L and Waters 1D.	Red maple Black tupelo Sweet-bay (<i>Magnolia virginiana</i>) Northern spicebush White grass (<i>Leersia virginica</i>) Cinnamon fern (<i>Osmundastrum cinnamomeum</i>) Skunk-cabbage (<i>Symplocarpus foetidus</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1DDD	-	PEM	Wetland 1DDD is a PEM depression located south of the I-495 outer loop and north of Henson Drive	Green ash Sweet-gum American sycamore (<i>Platanus occidentalis</i>) Common persimmon (<i>Diospyros virginiana</i>) Lamp rush (<i>Juncus effusus</i>) Tall false rye grass (<i>Schedonorus arundinaceus</i>)	-	-	Yes	Yes
1E	02-I	PFO	Wetland 1E is a PFO located on a sloped floodplain north of the I-495 inner loop and south of Beech Place that abuts Waters 1D.	Sweet-gum American elm Eastern red-cedar (<i>Juniperus virginiana</i>) Green ash Southern arrow-wood (<i>Viburnum dentatum</i>) Common reed (<i>Phragmites australis</i>) Unknown sedge species (<i>Carex</i> sp.) Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
1EE	-	PFO	Wetland 1EE is a PFO depression located north of the I-495 inner loop and west of Beech Place.	Sweet-gum Red maple Green ash	-	-	Yes	Yes
1EEE	-	Ephemeral	Waters 1EEE is an ephemeral channel located south of the I-495 outer loop and north of Barry Drive that flows north from Barry Drive into Waters 1L.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	No
1F	-	PFO	Wetland 1F is a PFO located north of the I-495 inner loop and south of Beech Place that abuts Waters 1G.	Green ash Red maple northern catalpa (<i>Catalpa speciosa</i>) Sweet-gum Amur honeysuckle (<i>Lonicera maackii</i>) Lamp rush Japanese stilt grass (<i>Microstegium vimineum</i>) Japanese honeysuckle Horsebrier Eastern poison ivy	-	-	Yes	Yes
1FF	-	PEM	Wetland 1FF is a PEM depression located within a stormwater management facility north of the I-495 inner loop and west of Beech Place.	Common reed	-	-	Yes	Yes
1G	-	Ephemeral	Waters 1G is an ephemeral channel located north of the I-495 inner loop and south of Beech Place that flows north from Wetland 1F into Waters 1D.	-	Sand, gravel Width: 2.5 ft Depth: 5ft	Right: forest Left: forest	Yes	No
1GG	-	POW	Waters 1GG is the palustrine open water (POW) portion of a stormwater management facility located north of the I 495 inner loop and southwest of Beech Place, within Wetland 1FF.		Silt, sand, muck, and riprap bottom Width: 30 ft Depth: N/A	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
1H	02-J	Intermittent	Waters 1H is an intermittent channel located north of Canterbury Way that flows east along the I-495 outer loop, through a pipe culvert under I-495, and north into Waters 1D.	-	Cobble, sand, gravel north of I-495; concrete south of I-495 Width: 3-8 ft Depth: 3-6 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
1H_C							Yes	Yes
1H_D							Yes	Yes
1HH	-	Ephemeral	Waters 1HH is an ephemeral channel located north of the I-495 inner loop and east of Temple Hill Road that flows northeast into Waters 1Z.	-	Silt, cobble, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1I	-	PFO	Wetland 1I is a PFO located north of the I-495 inner loop and southwest of Beech Place that abuts Waters 1D.	Green ash Lamp rush Japanese honeysuckle	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1II	-	PFO	Wetland 1II is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	Black tupelo American beech (<i>Fagus grandifolia</i>) Eastern poison ivy Horsebrier	-	-	Yes	Yes
1J	02-K	PFO	Wetland 1J is a PFO located on a hillslope north of the I-495 inner loop and southwest of Beech Place, in the floodplain of Waters 1D.	Sweet-gum Red maple Green ash Southern arrow-wood Crow garlic Eastern poison ivy Horsebrier Japanese honeysuckle	-	-	Yes	Yes
1JJ	-	PFO	Wetland 1JJ is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	American holly (<i>Ilex opaca</i>) Tuliptree (<i>Liriodendron tulipifera</i>) Sweet-gum Netted chain fern (<i>Woodwardia areolata</i>) English ivy (<i>Hedera helix</i>) Horsebrier Eastern poison ivy	-	-	Yes	Yes
1K	02-L	PFO	Wetland 1K is a PFO located on a hillside seep north of the I-495 inner loop and southeast of Leslie Avenue that abuts Waters 1D	Red maple Sweet-gum Northern spicebush Skunk-cabbage New York fern (<i>Parathelypteris noveboracensis</i>) Horsebrier Japanese honeysuckle Unknown smartweed species (<i>Persicaria</i> sp.)	-	-	Yes	Yes
1KK	-	PFO	Wetland 1KK is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L	Red maple Sweet-gum Southern arrow-wood Eastern poison ivy English ivy Virginia-creeper (<i>Parthenocissus quinquefolia</i>)	-	-	Yes	Yes
1L	02-M	Intermittent	Waters 1L is an intermittent channel located north of Barry Drive that flows north through a culvert under I-495 and into Waters 1D beyond the study area.	-	Cobble, sand, gravel, concrete Width: 2-6 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
1L_1							Yes	Yes
1L_C							Yes	Yes
1LL	-	Intermittent	Waters 1LL is an intermittent channel located south of the I-495 outer loop and north of Barry Drive that flows west to Waters 1L.	-	Silt, sand, concrete Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1M	02-N	Ephemeral	Waters 1M is an ephemeral channel located east of Temple Hill Road and north of Church Way that flows north through a culvert under I-495 into Waters 1Z.	-	Cobble, sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
1M_1							Yes	No
1M_C							Yes	No
1MM	-	PFO	Wetland 1MM is a PFO located south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	Sweet-gum Japanese honeysuckle English ivy Eastern poison ivy Horsebrier	-	-	Yes	Yes
1N	-	Ephemeral	Waters 1N is an ephemeral channel located north of the I-495 inner loop and east of Temple Hill Road that flows northeast into Waters 1M.	-	Cobble, sand, gravel Width: 3 ft Depth: 3 ft	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1NN	-	Ephemeral	Waters 1NN is an ephemeral channel located south of the I-495 outer loop and north of Canterbury Way that flows east into Waters 1D.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: paved road, forest Left: forest	Yes	No
1O	02-JJ	Ephemeral	Waters 1O is an ephemeral channel located east of Old Branch Avenue and north of Manchester Drive that flows north to Waters 1P.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
1OO	02-HH	Intermittent	Waters 1OO is an intermittent channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows north into Waters 1Q.	-	Silt, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1P	02-II	Intermittent	Waters 1P is an intermittent channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows north to Waters 1Q.	-	Silt, cobble, sand, gravel Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1PP	02-GG	Ephemeral	Waters 1PP is an ephemeral channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows northeast to Waters 1OO.	-	Sand, gravel Width: 1 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1Q	02-EE	Perennial	Waters 1Q is a perennial channel located south of the I-495/MD 5 interchange and north of Manchester Drive that flows east from outside the study area through culverts under MD 5 and Old Branch Avenue.	-	Silt, sand, gravel, concrete, riprap Width: 15-20 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	Yes
1Q_1							Yes	Yes
1Q_C							Yes	Yes
1QQ	02-FF	PFO	Wetland 1QQ is a PFO located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south, in the floodplain of Waters 1Q.	Red maple American elm Rambler rose (<i>Rosa multiflora</i>) Ash-leaf maple (<i>Acer negundo</i>) Southern arrow-wood English ivy Sweet wood-reed Eastern poison ivy Horsebrier	-	-	Yes	Yes
1R	02-CC	Perennial	Waters 1R is a perennial channel that originates in the southwest cloverleaf of the MD 5/I-495 interchange and flows southeast along southbound MD 5 into Waters 1Q.	-	Silt, sand, gravel, riprap Width: 5 ft Depth: 1 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
1R_1							Yes	Yes
1R_C							Yes	Yes
1RR	-	Intermittent	Waters 1RR is an intermittent channel located north of the I-495 inner loop and west of Keppler Road that originates at a culvert along I-495 and flows north outside of the study area.	-	Sand, gravel, cobble Width: 5-10 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
1SS	-	Ephemeral	Waters 1SS is an ephemeral channel located north of the I-495 inner loop and west of Keppler Road that flows west through a culvert into Waters 1RR.	-	Sand, gravel, loamy soil Width: 2 ft Depth: 6-10 in	Right: forest Left: forest	Yes	No
1SS_C								
1T	02-Z	PSS	Wetland 1T is a palustrine scrub-shrub wetland (PSS) located in a depression south of the exit ramp from the I-495 outer loop to MD 5 south. Wetland 1T appears to be a swale, constructed within the upland interchange to infiltrate storm water, with no observed connection to downstream waters.	Black willow (<i>Salix nigra</i>) Sweet-gum Lamp rush Broad-leaf cat-tail Common reed	-	-	Yes	Yes
1TT	-	Intermittent	Waters 1TT is an intermittent channel located north of the I-495 inner loop and east of Henson Creek that originates at a concrete-lined drainage channel and flows northeast into Wetland 1UU.	-	Sand, gravel, muck Width: 3 ft Depth: 4 in	Right: forest Left: forest	Yes	Yes
1U	02-LL	Ephemeral	Waters 1U is an ephemeral channel located west of the on ramp from MD 5 south to the I-495 outer loop that flows east to a culvert draining to Waters 1R.	-	Sand, gravel, riprap Width: 1-3 ft Depth: 1-4 ft	Right: forest, tall grass Left: forest	Yes	No
1U_C							Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
1UU	02-F	PFO	Wetland 1UU is a PFO located north of the I-495 inner loop and east of Beech Place, in the floodplain of Waters 1VV.	Red maple Sweet-gum Green ash Japanese stilt grass Swamp smartweed (<i>Persicaria hydropiperoides</i>) River-bank grape (<i>Vitis riparia</i>) Eastern poison ivy	-	-	Yes	Yes
1VV	-	Perennial	Waters 1VV is a perennial channel known as Henson Creek that crosses subsegment 1 west of the I-495/MD 5 interchange and east of Beech Place, flowing south through a culvert under I-495 and outside of the study area. Henson Creek also crosses subsegment 3 twice, where it is identified as Waters 3D and Waters 3S.	-	Silt, cobble, sand, gravel Width: 15-30 ft Depth: 2-6 ft	Right: forest Left: forest	Yes	Yes
1VV_1							Yes	Yes
1VV_C							Yes	Yes
1W	-	Perennial	Waters 1W is a perennial channel located north of the I-495 inner loop and southwest of Beech Place that originates at a culvert within the study area and flows south into Waters 1D.	-	Sand, cobble, riprap Width: 10 ft Depth: 3 ft	Right: emergent vegetation Left: forest	Yes	Yes
1WW	-	PEM	Wetland 1WW is a PEM located north of the I-495 inner loop and east of Beech Place that abuts Wetland 1C.	Sweet-gum Japanese stilt grass Swamp smartweed Japanese honeysuckle Horsebrier	-	-	Yes	Yes
1X	-	Ephemeral	Waters 1X is an ephemeral channel located west of the on ramp from MD 5 south to the I-495 inner loop that flows south into Waters 1A.	-	Sand, gravel Width: 3 ft Depth: 2 ft	Right: old field Left: old field	Yes	No
1XX	-	Ephemeral	Waters 1XX is an ephemeral channel located north of the I-495 inner loop and east of Beech Place that becomes an intermittent channel prior to its confluence with Waters 1VV.	-	Silt, sand, gravel Width: 2-4 ft Depth: 6 in – 3 ft	Right: forest Left: forest	Yes	No
1XX_1	-	Intermittent					Yes	Yes
1Y	-	Ephemeral	Waters 1Y is an ephemeral channel located north of the I-495 inner loop and southwest of Beech Place that originates at a culvert along I-495 and flows north into Waters 1D.	-	Cobble, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1YY	-	Intermittent	Waters 1YY is an intermittent channel located south of the I-495 outer loop and northeast of Keppler Place that flows southwest into Waters 1VV.	-	Sand, gravel, concrete, riprap Width: 4 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
1Z	-	Intermittent	Waters 1Z is an intermittent channel located north of the I-495 inner loop and east of Temple Hill Road that originates at a headcut within Waters 1M and flows north outside of the study area.	-	Cobble, sand, gravel Width: 15ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
1ZZ	-	PFO	Wetland 1ZZ is a PFO located south of the I-495 outer loop and north of Henson Drive that abuts Waters 1AAA and Wetland 1BBB.	Sweet-gum American elm Northern spicebush Green ash Japanese stilt grass Eastern poison ivy River-bank grape	-	-	Yes	Yes
Subsegment 2								
2A	02-KK	Ephemeral	Waters 2A is an ephemeral channel located east of the on ramp from northbound MD 5 to the I-495 outer loop that flows southwest to Waters 2Y.	-	Sand, gravel, cobble Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	No
2AA	-	Intermittent	Waters 2AA is an intermittent channel located west of the on ramp from MD 218 to the I-495 inner loop that flows southwest from Wetland 2O into Waters 2V.	-	Sand, gravel, concrete Width: 1.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2B	W4PG	PFO	Wetland 2B is a PFO swale located east of Carswell Avenue and south of the I-495 outer loop that drains southwest to Waters 2H.	Red maple Sweet-gum River birch (<i>Betula nigra</i>) Pin oak (<i>Quercus palustris</i>) Wand panic grass	-	-	Yes	Yes
2BB	-	PFO	Wetland 2BB is a PFO located west of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2V and Wetland 2CC.	Red maple Sweet-gum American holly Unknown sedge species Eastern poison ivy	-	-	Yes	Yes
2C	-	PFO	Wetland 2C is a PFO located east of the on ramp from MD 5 to the I-495 outer loop, in the floodplain of Waters 1Q.	Sweet-gum Red maple Northern spicebush Sweet wood-reed Japanese stilt grass Deer-tongue rosette grass Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
2CC	-	PEM	Wetland 2CC is a PEM located west of the on ramp from MD 218 to the I-495 inner loop that abuts Wetland 2BB and Waters 2V.	Sweet-gum Lamp rush Blunt spike-rush (<i>Eleocharis obtusa</i>) Crimson-eyed rose mallow (<i>Hibiscus moscheutos</i>) Broom rosette grass (<i>Dichanthelium scoparium</i>) Climbing hempvine (<i>Mikania scandens</i>)	-	-	Yes	Yes
2D	02-MM	Ephemeral	Waters 2D is an ephemeral channel located south of the I-495 outer loop and north of Manchester Drive that flows southeast into Waters 2E.	-	Silt, cobble, sand, gravel Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	No
2DD	-	PFO	Wetland 2DD is a PFO located west of the on ramp from MD 218 to the I-495 inner loop, adjacent to Wetland 2P.	Black willow Sweet-gum Common persimmon Wand panic grass Japanese honeysuckle Chinese silver grass (<i>Miscanthus sinensis</i>) Eastern poison ivy	-	-	Yes	Yes
2E	-	Intermittent	Waters 2E is an intermittent channel located south of the I-495 outer loop and north of Manchester Drive that flows southeast from Waters 2D into Waters 2X.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
2EE	-	PFO	Wetland 2EE is a PFO located east of Walton Ave and north of the I-495 inner loop, adjacent to Waters 2R.	Red maple Willow oak (<i>Quercus phellos</i>) Sweet-gum Slender wood-oats (<i>Chasmanthium laxum</i>) Deer-tongue rosette grass Japanese stilt grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
2F	W2PG	Intermittent	Waters 2F is an intermittent channel located south of the I-495 outer loop and west of the Auth Road overpass that flows west from a pipe culvert under I-495 into Waters 2MM. The feature is considered a ditch from the culvert outlet until it abuts Wetland 2G before flowing into Waters 2MM.	-	Silt, cobble Width: 4 ft Depth: 6 in	Right: forest, mowed lawn Left: forest	Yes	Yes
2F_C							Yes	Yes
2F_D							No	Yes
2FF	02-B	PEM	Wetland 2FF is a PEM located in a ditch southeast of Oakland Way and north of the I-495 inner loop.	Saw-tooth blackberry (<i>Rubus argutus</i>) Broad-leaf cat-tail	-	-	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2G	02-NN	PFO	Wetland 2G is a series of PFO benches located south of the I-495 outer loop and west of the Auth Road overpass along Waters 2F.	Red maple Sweet-gum Netted chain fern Horsebrier	-	-	Yes	Yes
2GG	02-A	PEM	Wetland 2GG is a PEM located in a ditch south of Clacton Avenue and north of the I-495 inner loop.	Narrow-leaf cat-tail (<i>Typha angustifolia</i>) Shallow sedge (<i>Carex lurida</i>) Japanese honeysuckle	-	-	No	Yes
2H	-	Intermittent	Waters 2H is an intermittent channel located south of the I-495 outer loop and east of Carswell Avenue that flows southwest from Wetland 2B into Waters 2I.	-	Concrete Width: 2 ft Depth 1 ft	Right: forest Left: forest	Yes	Yes
2HH	-	Intermittent	Waters 2HH is an intermittent ditch located south of Calcton Avenue and north of the I-495 inner loop that flows from Wetland GG through a culvert under I-495 into Waters 2MM.	-	Sand, gravel, cobble, concrete Width: 2 ft Depth: 1 ft	Right: forest Left: paved road	No	Yes
2HH_C							No	Yes
2I	-	Intermittent	Waters 2I is an intermittent ditch located south of the I-495 outer loop and east of Carswell Avenue that flows east from a culvert along Morris Avenue and into Waters 2R through a culvert under I-495. Waters 2I_C receives input from Waters 2H and Waters 2I.	-	Sand, gravel, concrete Width: 6 ft Depth: 1 ft	Right: forest Left: forest	No	Yes
2I_C							Yes	Yes
2II	-	PFO	Wetland 2II is a PFO seep located south of Hill Way and north of the I-495 inner loop that abuts Waters 2JJ.	Red maple Sweet-bay Green ash Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2J	03-W	Perennial	Waters 2J is a perennial channel located west of the on ramp from MD 218 to the I-495 inner loop that originates from a culvert outside of the study area and flows north out of the study area through a pipe under I-495.	-	Sand, gravel Width: 8 ft Depth: 2 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
2J_1							Yes	Yes
2J_C							Yes	Yes
2JJ	-	Intermittent	Waters 2JJ is an intermittent channel located south of Hill Way and north of the I-495 inner loop that flows east from Wetland 2II into Waters 2X.	-	Silt, sand, muck, gravel, concrete Width: 3 ft Depth: 6 in	Right: forest Left: forest, mowed lawn	Yes	Yes
2K	W5PG	PEM	Wetland 2K is a PEM bench located west of the exit ramp from the I-495 outer loop to MD 337 that abuts Waters 2L and 2J.	Black elder (<i>Sambucus nigra</i>) Sweet-gum Lamp rush Wand panic grass White paniced American-aster (<i>Symphyotrichum lanceolatum</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2KK	-	PEM	Wetland 2KK is an isolated PEM located west of Mercedes Boulevard and east of the exit ramp from the I-495 inner loop to Auth Road.	Sweet-gum Willow oak Common reed Eastern poison ivy Virginia-creeper Horsebrier Amur peppervine (<i>Ampelopsis brevipedunculata</i>)	-	-	Yes	Yes
2L	03-AA	Intermittent	Waters 2L is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows southwest from Wetland 2M into Waters 2J.	-	Sand, gravel Width: 3.5 ft Depth: 1 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2LL	-	PFO	Wetland 2LL is a PFO located northwest of Melford Avenue and south of the I-495 outer loop.	Red maple Sweet-gum Black tupelo Japanese stilt grass White grass Horsebrier	-	-	Yes	Yes
2M	03-BB	PFO	Wetland 2M is a PFO located south of the exit ramp from the I-495 outer loop to MD 337 that abuts Waters 2L, 2QQ, and 2PP.	Red maple Southern arrow-wood Black elder Unknown aster species (<i>Symphyotrichum</i> sp.) Sweet wood-reed Horsebrier Eastern poison ivy	-	-	Yes	Yes
2MM	-	Perennial	Waters 2MM is a perennial channel located north of Gunston Lane and south of the I-495 outer loop that originates at a culvert and flows south outside the study area.	-	Silt, sand, gravel, cobble Width: 5-12 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
2N	-	POW	Waters 2N is a POW stormwater management feature located in line with Wetland 2M, south of the exit ramp from I-495 outer loop to MD 337.	-	Silt, sand, cobble, gravel, riprap Width: 20 ft Depth: 6 in	Right: forest, paved road Left: forest, paved road	Yes	Yes
2NN	-	PFO	Wetland 2NN is a PFO depression located north of Manchester Drive and south of the I-495 outer loop, adjacent to Waters 2X.	Red maple Sweet-gum Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
2O	03-XX	PFO	Wetland 2O is a PFO located north of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2AA.	Red maple Virginia pine (<i>Pinus virginiana</i>) Highbush blueberry (<i>Vaccinium corymbosum</i>) American holly Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
2OO	-	Ephemeral	Waters 2OO is an ephemeral channel located north of Manchester Drive and south of the I-495 outer loop that flows southwest into Wetland 2NN.	-	Sand, gravel, cobble Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
2P	03-V	PEM	Wetland 2P is a PEM located northwest of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2J.	Lamp rush Broom rosette grass Wand panic grass	-	-	Yes	Yes
2PP	-	Intermittent	Waters 2PP is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows north from Wetland 2M into Waters 2L.	-	Silt, sand, muck, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
2Q	03-X	PSS	Wetland 2Q is a PSS ditch located southeast of the terminus of Walton Avenue and north of the I-495 inner loop that abuts Waters 2R.	Willow oak Sweet-gum Reed canary grass (<i>Phalaris arundinacea</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2QQ	-	Intermittent	Waters 2QQ is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows west through Wetland 2M into Waters 2L.	-	Silt, sand, muck, gravel Width: 3 ft Depth 6 in	Right: forest Left: forest	Yes	Yes
2R	W3PG	Perennial	Waters 2R is a perennial channel located southeast of the terminus of Walton Avenue and north of the I-495 inner loop that flows north from a culvert under I-495 and out of the study area.	-	Sand, gravel, muck, rubble Width: 7 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2RR	-	PSS	Wetland 2RR is a PSS located southwest of the exit ramp from the I-495 outer loop to MD 337, in the floodplain of Waters 2J.	Southern arrow-wood Common reed Rice cut grass (<i>Leersia oryzoides</i>) American burr-reed (<i>Sparganium americanum</i>)	-	-	Yes	Yes
2S	03-Z	PFO	Wetland 2S is a PFO located south of Walton Avenue and north of the I-495 inner loop, in the floodplain of Waters 2T.	Red maple Sweet-gum Highbush blueberry Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2SS	-	PFO	Wetland 2SS is an isolated PFO swale located southwest of the exit ramp from the I-495 outer loop to MD 337, adjacent to Waters 2J.	Red maple Sweet-gum American elm Green ash	-	-	Yes	Yes
2T	03-Y	Intermittent	Waters 2T is an intermittent channel located north of the I-495 inner loop and south of Walton Avenue that flows northeast from Wetlands 2U and 2S into Waters 2R.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
2TT	-	PEM	Wetland 2TT is a PEM located northeast of the exit ramp from the I-495 outer loop to MD 337.	Common reed Rough barnyard grass Floating primrose-willow (<i>Ludwigia peploides</i>)	-	-	Yes	Yes
2U	-	PFO	Wetland 2U is PFO located north of the I-495 inner loop and south of Walton Avenue that abuts Waters 2T.	Red maple Sweet-gum Sweet wood-reed Japanese stilt grass Eastern poison ivy Rambler rose Horsebrier	-	-	Yes	Yes
2UU	-	Intermittent	Waters 2UU is an intermittent channel located east of the exit ramp from northbound MD 5 to Deerpond Lane that originates at a culvert along MD 5 and flows northeast outside of the study area.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
2V	-	Perennial	Waters 2V is a perennial channel located north of the on ramp from MD 218 to the I-495 inner loop that originates at a culvert along the roadway and flows north into Wetland 2CC.	-	Sand, gravel, concrete Width: 4 ft Depth: 1.5 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
2VV	-	Intermittent	Waters 2VV is an intermittent channel located east of the exit ramp from northbound MD 5 to Deerpond Lane that originates at a culvert along MD 5 and flows north outside of the study area.	-	Cobble, gravel Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
2W	-	Intermittent	Waters 2W is an intermittent ditch located north of the I-495 inner loop and south of Oakland Way that flows west into Waters 2X.	-	Concrete Width: 1.5 ft Depth: 2 ft	Right: forest, emergent vegetation Left: forest	No	Yes
2W_C							No	Yes
2WW	-	PFO	Wetland 2WW is a PFO located east of the exit ramp from northbound MD 5 to Deerpond Lane, adjacent to Waters 2UU and 2VV.	Red maple Sweet-gum American hornbeam Common reed Asian bittersweet (<i>Celastrus orbiculatus</i>) Horsebrier	-	-	Yes	Yes
2X	-	Perennial	Waters 2X is a perennial channel located east of the MD 5/I-495 interchange that originates from a culvert south of Silver Valley way, flows south through a second culvert under I-495, and continues outside of the study area.	-	Silt, sand, gravel, cobble, concrete Width: 3.5-12 ft Depth: 2-6 ft	Right: forest Left: forest	Yes	Yes
2X_1							Yes	Yes
2X_C							Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
2XX	-	PFO	Wetland 2XX is a PFO located northwest of Melford Avenue and south of the I-495 outer loop that abuts Wetland 2LL.	Red maple Sweet-gum American holly American beech Japanese stilt grass Pointed broom sedge (<i>Carex scoparia</i>)	-	-	Yes	Yes
2Y	-	Perennial	Waters 2Y is a perennial channel located east of the MD 5/I-495 interchange that flows southeast from a stormwater management facility, through a culvert under I-495, and out of the study area.	-	Sand, gravel, cobble, riprap Width: 4-18 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
2Y_1							Yes	Yes
2Y_C							Yes	Yes
2YY	-	Intermittent	Waters 2YY is an intermittent channel located east of a stormwater facility and south of Manchester Drive.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
2Z	-	Intermittent	Waters 2Z is an intermittent channel located north of the exit ramp from the I-495 inner loop to Auth Road that flows northeast from a stormwater management pond culvert into Waters 2Y.	-	Sand, gravel, cobble Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
2ZZ	-	Ephemeral	Waters 2ZZ is an ephemeral channel located west of Dear Pond Lane and east of MD 5. The channel appears to drain upland and flows from under MD 5 to outside of the study area.		Silt, cobble Width: 3-8 ft Depth: 8 in	Right: mowed lawn Left: hedgerow	Yes	No
Subsegment 3								
3A	03-U	Perennial	Waters 3A is a perennial channel located northeast of the intersection of MD 337 and MD 218 that originates outsideof the study area and flows southeast through a culvert under I-495.	-	Sand, gravel Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
3A_1							Yes	Yes
3A_C							Yes	Yes
3AA	W121PG	Perennial	Waters 3AA is a perennial channel located between Forestville Road and Suitland Parkway that flows northwestunder I-495 into Waters 3S.	-	Cobble, gravel, mud Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3AA_1							Yes	Yes
3AA_C							Yes	Yes
3AAA	-	PFO	Wetland 3AAA is a PFO located southwest of the ramp from the I-495 inner loop to Forestville Road, along the west bank of Waters 3D.	Red maple Sweet-gum Southern arrow-wood Amur honeysuckle River-bank wild rye (<i>Elymus riparius</i>) Japanese stilt grass Eastern poison ivy English ivy	-	-	Yes	Yes
3B	03-CC	PFO	Wetland 3B is a PFO located northeast of MD 218, between the I-495 outer loop and MD 337, that abuts Waters 3A.	Red maple Sweet-bay Sweet-gum Green ash English ivy Eastern poison ivy Fox grape (<i>Vitis labrusca</i>) Japanese honeysuckle	-	-	Yes	Yes
3BB	03-M	Ephemeral	Waters 3BB is an ephemeral channel located southwest of the I-495/Suitland Parkway interchange that originates at a non-jurisdictional concrete-lined channel and flows northeast to Waters 3AA.	-	Silt, sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: mowed lawn	Yes	No
3BBB	-	Intermittent	Waters 3BBB is an intermittent channel located between MD 337 and the I-495 outer loop north of Forestville Roadthat flows north from Wetland 3DDD into Waters 3AA.	-	Cobble, sand, gravel Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction	
3C	-	PEM	Wetland 3C is a PEM located northeast of MD 218, between the I-495 outer loop and MD 337, that abuts Waters 3A.	Black willow Unknown sedge species Marsh primrose-willow (<i>Ludwigia palustris</i>) Dock-leaf smartweed (<i>Persicaria lapathifolia</i>)	-	-	Yes	Yes	
3CC	03-P	Intermittent	Waters 3CC is an intermittent channel located southwest of the exit ramp from the I-495 inner loop to ForestvilleRoad that originates at a pipe culvert under I-495 and flows southwest to Waters 3D (Henson Creek).	-	Silt, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest, mowed grass	No	Yes	
3CCC	-	Ephemeral	Waters 3CCC is an ephemeral channel located between MD 337 and the I-495 outer loop north of ForestvilleRoad that flows northwest into Waters 3BBB.	-	Cobble, sand, gravel Width: 3 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	No	
3D	03-Q	Perennial	See Waters 1VV.					Yes	Yes
3D_1	03-Q			Yes	Yes				
3D_C	03-Q			Yes	Yes				
3DD	03-R	Perennial	Waters 3DD is a perennial channel located northwest of the I-495 inner loop and southeast of the terminus of Rena Road that flows northeast to Waters 3D.	-	Sand, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes	
3DDD	-	PFO	Wetland 3DDD is a PFO located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3BBB, 3CCC, and 3EEE.	Sweet-gum Willow oak Star sedge (<i>Carex echinata</i>) Eastern poison ivy Virginia-creeper	-	-	Yes	Yes	
3E	03-FF	PFO	Wetland 3E is a PFO swale located southeast of the I-495/Suitland Parkway interchange and west of MD 337 that abuts Waters 3F.	Sapling sized sweet-gum Black tupelo Southern arrow-wood Eastern poison ivy Japanese honeysuckle Horsebrier	-	-	Yes	Yes	
3EE	03-S	PFO	Wetland 3EE is a PFO located in the floodplain of Waters 3DD and 3VV, on a hill slope northwest of the I-495 inner loop and southeast of the terminus of Rena Road.	Red maple Sweet-bay Cinnamon fern Horsebrier Eastern poison ivy	-	-	Yes	Yes	
3EEE	-	Ephemeral	Waters 3EEE is an ephemeral channel located between MD 337 and the I-495 outer loop north of Forestville Road that flows northwest into Waters 3CCC.	-	Cobble, sand, gravel Width: 2 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	No	
3F	-	Ephemeral	Waters 3F is an ephemeral channel located southeast of the I-495/Suitland Parkway interchange and west of MD 337 that flows southwest to Wetland 3HHH.	-	Sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No	
3FF	03-T	PFO	Wetland 3FF is a PFO located along a sloped floodplain abutting Waters 3A, northeast of the intersection of Pickett Drive and MD 218, and north of the I-495 inner loop.	Green ash Red maple Black tupelo American holly Sweet-gum Lizard's-tail (<i>Saururus cernuus</i>) Horsebrier	-	-	Yes	Yes	
3FFF	-	Intermittent	Waters 3FFF is an intermittent channel and ditch located between MD 337 and the I-495 outer loop north of Forestville Road that flows northeast from a non-jurisdictional concrete lined ephemeral channel into Waters 3AA. The feature is considered a ditch until it abuts Wetland 3GGG.	-	Sand, gravel, concrete Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes	
3FFF_D							No	Yes	

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3G	03-DD	PFO	Wetland 3G is a PFO located between I-495 and MD 337, southwest of Forestville Road in the floodplain of Waters 3D.	Sweet-gum Highbush blueberry Swamp deciduous-doghobble (<i>Eubotrys racemosa</i>) Sweet-bay Horsebrier Unknown sedge species	-	-	Yes	Yes
3GG	03-MM	PEM	Wetland 3GG is a PEM located in a swale east of the I-495 outer loop and west of the exit ramp from the I-495 outer loop to MD 4 south that abuts Wetland 3HH.	Groundseltree (<i>Baccharis halimifolia</i>) Narrow-leaf cat-tail Japanese honeysuckle	-	-	Yes	Yes
3GGG	-	PFO	Wetland 3GGG is a PFO located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3FFF.	Red maple Sweet-gum Southern arrow-wood Black tupelo White grass Star sedge Horsebrier Eastern poison ivy	-	-	Yes	Yes
3H	03-WW	Intermittent	Waters 3H is an intermittent channel located between I-495 and MD 337, southwest of Forestville Road that flows northeast to Waters 3D.	-	Sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3HH	03-NN	PFO	Wetland 3HH is a PFO located east of the I-495 outer loop and west of the exit ramp from the I-495 outer loop to MD 4 south that abuts Wetland 3GG.	Red maple Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3HHH	-	PFO	Wetland 3HHH is a PFO swale located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3BBB.	Red maple Sweet-gum American holly Willow oak Eastern poison ivy Deer-tongue rosette grass Virginia-creeper Horsebrier	-	-	Yes	Yes
3I	03-EE	Intermittent	Waters 3I is an intermittent channel located in a roadside ditch south of the I-495 outer loop and southwest of the ramp from Forestville Road to MD 337, that flows southwest to from Wetland 3J into Waters 3D.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3II	03-PP	PEM	Wetland 3II is a PEM located in a ditch within the southeast cloverleaf of the MD 4/I-495 interchange that abuts Waters 3JJ.	Broad-leaf cat-tail	-	-	Yes	Yes
3III	-	PEM	Wetland 3III is a PEM located southwest of the I-495/Suitland Parkway interchange, abutting Wetland 3JJJ.	White grass Japanese stilt grass	-	-	Yes	Yes
3J	03-II	PEM	Wetland 3J is a PEM located in a partially concrete-lined ditch along the south side of the I-495 outer loop at the Forestville Road overpass.	Broad-leaf cat-tail Reed canary grass	-	-	Yes	Yes
3JJ	Mar-00	Intermittent	Waters 3JJ is an intermittent channel located within the southeast cloverleaf of the MD 4/I-495 interchange that flows west through a pipe to Waters 3LL.	-	Sand, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
3JJ_C							Yes	Yes
3JJ_C1							Yes	Yes
3JJJ	-	PFO	Wetland 3JJJ is a PFO located southwest of I-495/ Suitland Parkway interchange, in the floodplain of Waters 3AA and 3S.	Sweet-gum Red maple Northern spicebush Japanese stilt grass Eastern poison ivy Virginia-creeper	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3K	-	PSS	Wetland 3K is a PSS swale located in the floodplain of Waters 3D, between I-495 and MD 337.	Sweet-gum Unknown grass species (<i>Poacea</i> sp.) Blunt broom sedge	-	-	Yes	Yes
3KKK	-	PSS	Wetland 3KKK is a PSS located northwest of the I-495/Suitland Parkway interchange, in the floodplain of Waters 3L and 3LL.	Sweet-gum Deer-tongue rosette grass Eastern poison ivy	-	-	Yes	Yes
3L	W122PG	Perennial	Waters 3L is a perennial channel located north of Suitland Parkway that flows northwest through a culvert under I-495 into Waters 3S.	-	Sand Width: 7 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3L_1							Yes	Yes
3L_C							Yes	Yes
3LL	03-D	Intermittent	Waters 3LL is an intermittent channel located within the northwest and southwest cloverleaves of the MD 4/I-495 interchange that flows from the northwest cloverleaf, through a culvert under MD 4 into the southwest cloverleaf, and into Waters 3ZZ through a pipe under the I-495 on ramp.	-	Silt, sand, gravel, concrete Width: 7 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3LL_1							Yes	Yes
3LL_C							Yes	Yes
3LL_C1							Yes	Yes
3LLL	-	Ephemeral	Waters 3LLL is an ephemeral channel located northwest of the I-495/Suitland Parkway interchange that originates at a pipe culvert under Suitland Parkway and flows north through Wetland 3KKK into Waters 3L.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest, scrub-shrub wetland	Yes	No
3M	03-HH	PEM	Wetland 3M is a PEM located northeast of the I-495/Suitland Parkway interchange, along both banks of Waters 3L.	Sweet-gum Japanese stilt grass Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
3MMM	-	PEM	Wetland 3MMM is a PEM located on a hillslope northwest of the I-495/Suitland Parkway interchange, abutting Waters 3SS.	Groundseltree Lamp rush Unidentified sedge species Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3N	03-JJ	Intermittent	Waters 3N is an intermittent channel located northeast of the I-495/Suitland Parkway interchange that flows southwest to Waters 3L.	-	Sand, gravel Width: 4 ft Depth: 2 ft	Right: emergent vegetation Left: forest	Yes	Yes
3NN	W127PG	PEM	Wetland 3NN is a PEM located between the southbound I-495 on-ramp from MD 4 and the I-495 inner loop, abutting Wetland 300.	Groundseltree Broad-leaf cat-tail Lamp rush	-	-	Yes	Yes
3NNN	-	PFO	Wetland 3NNN is a PFO located northwest of the I-495/Suitland Parkway interchange that abuts Waters 3SS.	Sweet-gum Red maple Morrow's honeysuckle (<i>Lonicera morrowii</i>) Sticky-willy (<i>Galium aparine</i>) Eastern poison ivy	-	-	Yes	Yes
3O	03-KK	PFO	Wetland 3O is a PFO located northeast of the I-495/Suitland Parkway interchange that abuts Wetland 3P and Waters 3N.	River birch Sweet-gum Southern arrow-wood Sweet wood-reed Rambler rose Horsebrier Japanese honeysuckle	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
300	03-J	PFO	Wetland 300 is a PFO swale located between the southbound I-495 onramp from MD 4 and the I-495 inner loop that abuts Wetland 3NN.	Sweet-gum American elm Red maple Saw-tooth blackberry Amur honeysuckle White oldfield American-aster (<i>Symphytotrichum pilosum</i>) Japanese honeysuckle Eastern poison ivy Horsebrier Unknown grass species	-	-	Yes	Yes
3000	-	POW	Waters 3000 is an abandoned stormwater pond classified as a POW located northeast of the I-495/Suitland Parkway interchange.	-	Silt and sand Width: 45 ft Depth: Unknown	Right: forest Left: forest	Yes	Yes
3P	03-LL	PEM	Wetland 3P is a PEM located northeast of the I-495/Suitland Parkway interchange, within the limits of Wetland 3O.	Japanese stilt grass Rice cut grass	-	-	Yes	Yes
3PP	-	Ephemeral	Waters 3PP is an ephemeral channel located between the southbound I-495 on-ramp from MD 4 and the I-495 inner loop that flows north to a culvert under the I-495 on-ramp and into Waters 3RR.	-	Silt, sand, gravel, concrete Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3PP_C							Yes	No
3Q	W6PG	Ephemeral	Waters 3Q is an ephemeral channel located northeast of the I-495/Suitland Parkway interchange that flows southwest and dissipates into Wetland 3O.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3QQ	-	Ephemeral	Waters 3QQ is an ephemeral channel located southeast of the intersection of MD 4 and Forestville Road that flows west into Waters 3WW.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: mowed lawn, paved road Left: forest	Yes	No
3QQQ	-	PSS	Wetland 3QQQ is an isolated PSS located in a depression west of the southwest cloverleaf of the MD 4/I-495 interchange and north of Wetland 3SSS.	Saw-tooth blackberry Sweet-gum Common fox sedge (<i>Carex vulpinoidea</i>) Shallow sedge Indian strawberry (<i>Duchesnea indica</i>) Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3R	03-G	PSS	Wetland 3R is a PSS located northwest of the I-495/Suitland Parkway interchange, abutting the east bank of Waters 3S.	Black cherry (<i>Prunus serotina</i>) Sweet-gum Southern arrow-wood Sweet wood-reed Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
3RR	-	Ephemeral	Waters 3RR is an ephemeral channel located southwest of the southwest cloverleaf of the MD 4/I-495 interchange that flows north into Waters 3ZZ.		Silt, sand, partially concrete Width: 4 ft Depth: 1 ft	Right: mowed lawn, paved road Left: forest	Yes	No
3RRR	-	PFO	Wetland 3RRR is a PFO located southeast of the intersection of MD 4 and Forestville Road that abuts Waters 3XX.	Red maple Black tupelo Sweet-gum White grass Sensitive fern (<i>Onoclea sensibilis</i>) Virginia-creeper Horsebrier Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3S	W123PG	Perennial	See Waters 1VV.				Yes	Yes
3S_1							Yes	Yes
3S_2							Yes	Yes
3S_C							Yes	Yes
3S_C1							Yes	Yes
3SS	-	Intermittent	Waters 3SS is an intermittent channel located northwest of the I-495/Suitland Parkway interchange that flows southwest into Waters 3S.	-	Silt, cobble, sand, gravel Width: 5 ft Depth: 3.5 ft	Right: forest, commercial Left: forest	Yes	Yes
3SSS	-	PFO	Wetland 3SSS is an isolated PFO located along a gently sloping terrace west of the southwest cloverleaf of the MD 4/I-495 interchange and south of Wetland 3QQQ.	Red maple Sweet-gum Black tupelo Highbush blueberry Japanese stilt grass Swan's sedge (<i>Carex swanii</i>) Horsebrier	-	-	Yes	Yes
3T	03-F	PFO	Wetland 3T is a PFO located along a hill slope northwest of the I-495/Suitland Parkway interchange that abuts Waters 3L and 3S.	Red maple Japanese stilt grass Orange day-lily (<i>Hemerocallis fulva</i>) Eastern poison ivy	-	-	Yes	Yes
3TT	-	Perennial	Waters 3TT is a perennial channel located northeast of the I-495/Suitland Parkway interchange that flows southwest from a culvert and dissipates into Wetland 3O.	-	Sand, gravel; upstream portion is concrete-lined Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3U	03-E	Intermittent	Waters 3U is an intermittent channel located northwest of the I-495 inner loop and south of Penn Belt Place that begins at a head cut at a non-jurisdictional concrete-lined channel and flows southwest to Waters 3S.	-	Sand, gravel Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3UU	-	Intermittent	Waters 3UU is an intermittent channel located northwest of the exit ramp from the I-495 inner loop to Forestville Road that flows northwest from a culvert into Waters 3D.	-	Sand, gravel; upstream portion is concrete-lined Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3V	03-H	PFO	Wetland 3V is a PFO located northwest of the I-495/Suitland Parkway interchange, abutting Waters 3L and Wetland 3KKK.	Red maple Sweet-gum Black tupelo Japanese honeysuckle Eastern poison ivy Mild water-pepper (<i>Persicaria hydropiper</i>) Unknown aster species (<i>Aster</i> sp.) Sweet wood-reed	-	-	Yes	Yes
3VV	-	Perennial	Waters 3VV is a perennial channel located northwest of the I-495 inner loop and southwest of the terminus of Rena Road that flows east from outside the study area into Waters 3DD.	-	Silt, cobble, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3W	03-I	PFO	Wetland 3W is a PFO located northwest of the I-495/Suitland Parkway interchange, abutting Waters 3S.	Sweet-gum Tuliptree Black tupelo Green ash Sweet-bay Southern arrow-wood Sweet wood-reed Skunk-cabbage Horsebrier Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3WW	-	Perennial	Waters 3WW is a perennial channel located southeast of the intersection of MD 4 and Forestville Road that flows south from a culvert under MD 4 and outside of the study area.	-	Sand, gravel; upstream portion is concrete lined Width: 5 ft Depth: 3-5 ft	Right: forest, mowed lawn, commercial Left: forest	Yes	Yes
3X	03-K	PFO	Wetland 3X is a PFO located within the forested median of Suitland Parkway, west of the I-495 inner loop that abuts Waters 3S.	Sweet-gum Pin oak Red maple Southern arrow-wood Sweet wood-reed Deer-tongue rosette grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
3XX	-	Intermittent	Waters 3XX is an intermittent channel located southeast of the intersection of MD 4 and Forestville Road that drains Wetland 3RRR and flows southwest into Waters 3WW.	-	Silt, sand, muck Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
3Y	03-L	PFO	Wetland 3Y is a PFO located southwest of the I-495/Suitland Parkway interchange that abuts both banks of Waters 3S.	Sweet-gum Red maple American holly Saw-tooth blackberry Japanese stilt grass Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3Z	03-O	Ephemeral	Waters 3Z is an ephemeral channel located southwest of the I-495/Suitland Parkway interchange that conveys runoff from Suitland Parkway and flows into Wetland 3Y.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3ZZ	-	Perennial	Waters 3ZZ is a perennial channel located west of the on ramp from MD 4 to the I-495 inner loop that flows southwest beyond the study area.	-	Concrete-lined at culvert; sand and gravel downstream Width: 10 ft Depth: 5-7 ft	Right: forest Left: forest	Yes	Yes
Subsegment 4								
4A	03-SS	PEM	Wetland 4A is a PEM located north of MD 4 and west of the on-ramp from MD 4 north to the I-495 outer loop.	Black elder Narrow-leaf cat-tail Three-square (<i>Schoenoplectus pungens</i>) Virginia-creeper	-	-	Yes	Yes
4AA	04-T	Intermittent	Waters 4AA is an intermittent channel located east of the I-495 outer loop and west of Bauman Drive that begins at a stormwater pipe under I-495 and flows east into Waters 4Z.	-	Silt, sand Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4AAA	-	PFO	Wetland 4AAA is a PFO located west of the I-495 inner loop and north of Darcy Road in the floodplain of Waters 4W.	Red maple River birch Sweet-gum Sweet-bay Highbush blueberry Japanese stilt grass Netted chain fern Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4AAAA	03-A	PFO	Wetland 4AAAA is a PFO depression located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that abuts Waters 4GGGG.	Red maple Sweet-gum Highbush blueberry Crow garlic Dark-green sedge (<i>Carex venusta</i>) Eastern poison ivy Horsebrier Fox grape	-	-	Yes	Yes
4AAAAA	-	PEM	Wetland 4AAAAA is a PEM located east of the I 495 outer loop and west of West Grove, adjacent to 4BBBBB and 4CCCCC, and drains into 4ZZZZ.	Black willow Broad-leaf-cat-tail Woolgrass (<i>Scirpus cyperinus</i>)	-	-	Yes	Yes
4B	04-Z	Intermittent	Waters 4B is an intermittent channel located east of the I-495 outer loop and southwest of Darcy Road that flows northwest to a culvert under I-495 and into Waters 4TTT.	-	Silt, sand, cobble, gravel Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4B_C							Yes	Yes
4BB	04-CC	PFO	Wetland 4BB is a PFO located east of the I-495 outer loop and west of Bauman Drive that abuts Waters 4AA and Waters 4Z.	Pin oak Sweet-gum Reed canary grass Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
4BBB	04-C	Perennial	Waters 4BBB is a perennial channel located west of the I-495 inner loop and north of Darcy Road that flows northwest from a stormwater pipe under I-495 into Wetland 4DDD.	-	Sand, gravel, riprap Width: 2-6 ft Depth: 2.5 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
4BBB_1							Yes	Yes
4BBB_C							Yes	Yes
4BBBB	03-B	Ephemeral	Waters 4BBBB is an ephemeral channel located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that flows north into Wetland 4AAAA.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4BBBBB	-	POW	Waters 4BBBBB is a POW located located east of the I 495 outer loop and west of West Grove, adjacent to 4AAAAA and 4CCCCC.	-	Silt, sand, gravel Width: 30 ft Length: 50 ft	Right: Old field Left: Old field	Yes	Yes
4C	-	Ephemeral	Waters 4C is an ephemeral channel located east of the I-495 outer loop and southwest of Darcy Road that flows southwest into Waters 4B.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4CC	04-FF	PEM	Wetland 4CC is a PEM swale located east of the I-495 outer loop and west of Bauman Drive.	Red maple Sweet-gum Narrow-leaf cat-tail Rice cut grass	-	-	Yes	Yes
4CCC	-	PEM	Wetland 4CCC is a PEM located west of the I-495 inner loop and north of Darcy Road within the floodplain of Waters 4BBB.	Highbush blueberry Black willow Rambler rose Sweet-gum American sycamore Lamp rush Rice cut grass Meadow false rye grass (<i>Schedonorus pratensis</i>)	-	-	Yes	Yes
4CCCC	03-C	PFO	Wetland 4CCCC is a PFO swale located northeast of the terminus of Marlboro Pike and west of the I-495 inner loop, abutting Waters 4DDDD.	American sycamore American elm Sweet-gum Saw-tooth blackberry English ivy Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4CCCC	-	POW	Waters 4CCCC is a POW located located east of the I 495 outer loop and west of West Grove, adjacent to 4AAAAA and 4BBBBB.	-	Silt, sand, gravel Width: 40 ft Length: 50 ft	Right: Old field Left: Old field	Yes	Yes
4D	-	PFO	Wetland 4D is a PFO swale located east of the I-495 outer loop and southwest of Darcy Road that abuts Waters 4B.	Red maple Brookside alder (<i>Alnus serrulata</i>) Highbush blueberry Unknown sedge species Deer-tongue rosette grass Spreading bent (<i>Agrostis stolonifera</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4DD	-	PEM	Wetland 4DD is a PEM depression located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4EE.	Broad-leaf-cat-tail Tall false rye grass	-	-	Yes	Yes
4DDD	-	PFO	Wetland 4DDD is a PFO located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4HHH and 4BBB.	American sycamore Sweet-gum American beech Common pawpaw (<i>Asimina triloba</i>) Small-spike false nettle (<i>Boehmeria cylindrica</i>) Rice cut grass	-	-	Yes	Yes
4DDDD	W92PG	Intermittent	Waters 4DDDD is an intermittent channel located west of the I-495 inner loop and northeast of the terminus of Marlboro Pike that flows northwest from a pipe culvert under I-495 and outside the study area.	-	Sand, gravel Width: 5 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
4DDDD_1							Yes	Yes
4DDDD_C							Yes	Yes
4E	04-Y	Intermittent	Waters 4E is an intermittent channel located east of the I-495 outer loop and southwest of Darcy Road that flows northwest through a culvert under I-495 into Waters 4JJJJ.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4E_C							Yes	Yes
4EE	-	Perennial	Waters 4EE is a perennial channel located west of the I-495 inner loop and north of Darcy Road that flows southwest into Waters 4W.	-	Cobble, gravel, silt, sand Width: 3 ft Depth: 1.5 ft	Right/Left: tall grass, scrub-shrub vegetation	Yes	Yes
4EEE	-	PEM	Wetland 4EEE is a PEM located west of the I-495 inner loop and north of Darcy Road that abuts Wetland 4DDD and 4HHH.	Sweet-gum American sycamore Rice cut grass Shallow sedge	-	-	Yes	Yes
4EEEE	-	PFO	Wetland 4EEEE is a PFO located in the floodplain of Waters 4DDDD, west of the I-495 inner loop and northeast of the terminus of Marlboro Pike.	Red maple Virginia-creeper Fowl manna grass (<i>Glyceria striata</i>) Horsebrier	-	-	Yes	Yes
4F	-	PFO	Wetland 4F is a PFO swale located east of the I-495 outer loop and southwest of Darcy Road that abuts Waters 4E.	Red maple Southern arrow-wood American elm Black elder Unknown grass species (<i>Poa</i> sp.) Deer-tongue rosette grass Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4FF	04-GG	Ephemeral	Waters 4FF is an ephemeral channel located south of the exit ramp from I-495 northbound to Ritchie Marlboro Road that flows west into Waters 4Z.	-	Cobble, silt, sand Width: 2-3 ft Depth: 3 in	Right: scrub-shrub Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4FFF	-	PFO	Wetland 4FFF is a PFO located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4W.	American sycamore Sweet-gum Japanese stilt grass Virginia-creeper White grass	-	-	Yes	Yes
4FFFF	-	PFO	Wetland 4FFFF is a PFO depression located west of the I-495 inner loop and northeast of the terminus of Marlboro Pike.	Red maple Sweet-gum Rice cut grass Common reed	-	-	Yes	Yes
4GG	-	Intermittent	Waters 4GG is an intermittent ditch and culvert located east of the I-495 outer loop and north of Pennsylvania Avenue that flows north along the roadway and through a pipe culvert under I-495 into Waters 4DDDD. Waters 4GG_C receives input from Waters 4GG and Waters 4J.	-	Concrete Width: 4 ft Depth: 2 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	No	Yes
4GG_C							Yes	Yes
4GGG	-	Ephemeral	Waters 4GGG is an ephemeral channel located west of the I-495 inner loop and north of Darcy Road that flows north into Wetland 4FFF.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4GGGG	-	Perennial	Waters 4GGGG is a perennial channel located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that flows northwest along Wetland 4AAAA and beyond the study area.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4H	-	Ephemeral	Waters 4H is an ephemeral channel located within the northeast cloverleaf of the MD 4/I 495 interchange that flows northwest through a culvert under I 495 into Waters 3LL.	-	Silt, cobble, gravel Width: 2 ft Depth: 6 in	Right: forest, tall grass Left: paved road	Yes	No
4H_C							Yes	No
4HH	-	PFO	Wetland 4HH is a PFO located east of the I-495 outer loop and north of Pennsylvania Avenue.	American elm Callery pear (<i>Pyrus calleryana</i>) Green ash Eastern poison ivy Common reed	-	-	Yes	Yes
4HHH	-	Intermittent	Waters 4HHH is an intermittent channel located west of the I-495 inner loop and north of Darcy Road that flows northwest from a pipe culvert under I-495 into Wetland 4DDD.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 1 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
4HHH_1							Yes	Yes
4HHH_C							Yes	Yes
4HHHH	-	PFO	Wetland 4HHHH is a PFO swale located west of the I-495 inner loop and approximately 70 feet south of Darcy Road that abuts Waters 4TTT.	Red maple Tuliptree Sweet-gum Cinnamon fern White grass Broad-leaf cat-tail	-	-	Yes	Yes
4I	03-VV	PEM	Wetland 4I is a PEM ditch located within the northeast cloverleaf of the MD 4/I-495 interchange.	Narrow-leaf cat-tail	-	-	Yes	Yes
4II	-	PFO	Wetland 4II is a PFO located east of the I-495 outer loop and northwest of the terminus of Flowers Road that abuts Waters 4M.	Black willow Sweet-gum Green ash Virginia-creeper Fowl manna grass	-	-	Yes	Yes
4III	-	PEM	Wetland 4III is a PEM located west of the I-495 inner loop and east of Darcy Road, between Waters 4HHH and 4BBB.	Black willow Lamp rush Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4IIII	-	PFO	Wetland 4IIII is a PFO located west of the I-495 inner loop and southwest of the terminus of Hampton Park Boulevard, in the floodplain of Waters 4JJJJ.	Sweet-gum American beech Sweet-bay Cinnamon fern Horsebrier	-	-	Yes	Yes
4J	-	Ephemeral	Waters 4J is an ephemeral channel located east of the on ramp from MD 4 north to the I-495 outer loop that flows south into Waters 4GG.	-	Silt, cobble, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest, paved road Left: forest	Yes	No
4JJJ	-	PFO	Wetland 4JJJ is an isolated PFO swale located west of the I-495 inner loop and east of Darcy Road, north of Wetland 4III.	Sweet-gum White grass Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
4JJJJ	04-I	Perennial	Waters 4JJJJ is a perennial channel located west of the I-495 inner loop and south of Darcy Road that flows from a culvert under I-495 and continues northwest beyond the study area.	-	Silt, sand, gravel Width: 6 ft Depth: 2-20 ft	Right: forest Left: forest	Yes	Yes
4K	-	Intermittent	Waters 4K is an intermittent channel located east of the I-495 outer loop and west of Flowers Road that flows northeast and dissipates into Wetland 4KK.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest, paved road	Yes	Yes
4KK	-	PFO	Wetland 4KK is a PFO located east of the I-495 outer loop and southwest of the terminus of Flowers Road, in the floodplain of Waters 4M and 4LL.	Black tupelo Red maple Tuliptree Sweet-gum Virginia-creeper Cinnamon fern Sensitive fern	-	-	Yes	Yes
4KKK	-	PFO	Wetland 4KKK is a PFO located in the floodplain of Waters 4Z, south of the exit ramp from the I-495 outer loop to Ritchie Marlboro Road.	Sweet-gum Silky dogwood (<i>Cornus amomum</i>) Sweet wood-reed Eastern poison ivy Horsebrier Virginia-creeper	-	-	Yes	Yes
4KKKK	04-J	PFO	Wetland 4KKKK is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4JJJJ.	Sweet-gum Sweet-bay Southern arrow-wood Netted chain fern Cinnamon fern	-	-	Yes	Yes
4L	04-L	Intermittent	Waters 4L is an intermittent channel located east of the I-495 outer loop and west of Flowers Road that flows east from a pipe under I-495 into Waters 4M.	-	Silt, sand, gravel Width: 8 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
4LL	-	Perennial	Waters 4LL is perennial channel located east of the I-495 outer loop and southwest of the terminus of Flowers Road that abuts Wetland 4KK and flows northeast from outside the study area into Waters 4M.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4LLL	-	PFO	Wetland 4LLL is a PFO located in the floodplain of Waters 4Z, east of the I-495 outer loop and west of Bauman Drive.	Red maple Sweet-gum Northern spicebush Rambler rose American holly Virginia-creeper northern lady fern (<i>Athyrium angustum</i>) Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4LLLL	-	Ephemeral	Waters 4LLLL is an ephemeral channel located west of the I-495 inner loop and south of Darcy Road that flows west into Wetland 4KKKK.	-	Sand, tree roots Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	No
4M	04-EE	Perennial	Waters 4M is a perennial channel located east of the I-95/I-495 outer loop and west of Flowers Road that flows into Waters 4PPPP.	-	Mud Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4M_C							Yes	Yes
4MM	W8PG	PFO	Wetland 4MM is a PFO located in the floodplain of Waters 4M on the east side of the I-495 outer loop and west of the terminus of Flowers Road.	Red maple Sweet-gum Virginia-creeper Cinnamon fern Horsebrier	-	-	Yes	Yes
4MMM	-	PFO	Wetland 4MMM is a PFO depression located east of the I-495 outer loop and west of Dogwood Park Street, adjacent to Waters 4Y.	Red maple Sweet-gum Virginia-creeper Eastern poison ivy Asian bittersweet	-	-	Yes	Yes
4MMMM	-	Ephemeral	Waters 4MMMM is an ephemeral channel located west of the I-495 inner loop and south of Darcy Road that flows northeast into Wetland 4NNNN.	-	Silt, sand Width: 3 ft Depth: 1 in	Right: forest Left: forest	Yes	No
4N	-	PFO	Wetland 4N is a PFO located east of the I-495 outer loop and west of Cherry Lane South, abutting Waters 4O.	Red maple Sweet-gum northern white oak (<i>Quercus alba</i>) Sweet bay Sweet wood-reed Japanese honeysuckle Horsebrier Eastern poison ivy	-	-	Yes	Yes
4NN	-	Intermittent	Waters 4NN is a man-made intermittent channel located east of the I-495 outer loop and west of West Grove that flows west from a non-jurisdictional stormwater management pond into Waters 4Q.	-	Riprap Width: 2 ft Depth: 6 in	Right: forest Left: emergent vegetation	Yes	Yes
4NNN	-	Intermittent	Waters 4NNN is an intermittent channel located in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection that flows northwest through a series of culverts and into Waters 4Z.	-	Silt, sand, gravel Width: 3-4 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
4NNN_1	04-N						Yes	Yes
4NNN_C	-						Yes	Yes
4NNNN	04-G	PFO	Wetland 4NNNN is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4MMMM and 4O000.	Sweet-gum Red maple Sweet-bay Skunk-cabbage Netted chain fern Horsebrier	-	-	Yes	Yes
4O	-	Intermittent	Waters 4O is an intermittent channel located east of the I-495 outer loop and west of Cherry Lane South that flows south into Waters 4PP.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4OO	-	Intermittent	Waters 4OO is an intermittent channel located east of the I-495 outer loop and west of West Grove that originates at Wetland 4R and flows south into Waters 4Q.	-	Silt Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4000	04-M	PFO	Wetland 4000 is a PFO located in the floodplain of Waters 4NNN in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection.	Black willow River birch Sweet-gum Northern spicebush Ash-leaf maple Japanese honeysuckle Eastern poison ivy Frost grape (<i>Vitis vulpina</i>)	-	-	Yes	Yes
40000	04-H	Intermittent	Waters 40000 is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows northeast from Wetland 4NNNN into Waters 4JJJJ.	-	Silt, sand, gravel Width: 3 ft Depth: 4-6 in	Right: forest Left: forest	Yes	Yes
4P	04-X	Ephemeral	Waters 4P is an ephemeral channel located east of the I-495 outer loop and west of Cherry Lane South that flows southwest into Waters 4O.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: mowed lawn Left: forest	Yes	No
4PP	-	Ephemeral	Waters 4PP is an ephemeral channel located east of the I-495 outer loop and west of West Grove that originates at Waters 4O and flows southwest into Wetland 4R.	-	Cobble, sand Width: 3 ft Depth: 2 in	Right: forest Left: forest	Yes	No
4PPP	-	PFO	Wetland 4PPP is a PFO located in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 4Z.	American elm Tuliptree Northern spicebush Common winterberry (<i>Ilex verticillata</i>) Fowl manna grass Shallow sedge Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
4PPPP	W90PG	Perennial	Waters 4PPPP is a perennial channel located west of the I-495 inner loop and east of Kaverton Road that flows northeast along I-495 into Waters 4Q.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: paved road	Yes	Yes
4Q	04-W	Perennial	Waters 4Q (Ritchie Branch) is a perennial channel located north of the terminus of Flowers Road and east of Kaverton Road, that flows west through a culvert under I-495 and outside the study area.	-	Silt, cobble, sand, gravel, concrete Width: 6-15 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
4Q_1							Yes	Yes
4Q_C							Yes	Yes
4QQ	-	Intermittent	Waters 4QQ is an intermittent channel located east of the I-495 outer loop and west of the terminus of South Cherry Lane that flows southeast from Wetland 4N into Waters 4O.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 4 ft	Right: forest, paved road Left: forest	Yes	Yes
4QQQ	-	PEM	Wetland 4QQQ is a PEM located west of the I-495 inner loop and north of Darcy Road that abuts Wetland 4CCC.	Red maple Tuliptree Sweet-gum Common winterberry Leafy bulrush (<i>Scirpus polyphyllus</i>) Lamp rush Rice cut grass Horsebrier Virginia-creeper	-	-	Yes	Yes
4QQQQ	04-K	Intermittent	Waters 4QQQQ is an intermittent channel located west of the I-495 inner loop and east of Kaverton Road that begins at two concrete culverts and flows south into Waters 4Q.	-	Sand, gravel Width: 4 ft Depth: 6 in	Right: forest, industrial Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4R	-	PFO	Wetland 4R is a PFO located east of the I-495 outer loop and north of the terminus of Flowers Road that abuts Waters 4Q and 4O.	Red maple Sweet-gum Northern spicebush Sweet wood-reed Japanese stilt grass Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
4RR	-	PFO	Wetland 4RR is a PFO located east of the I-495 outer loop and west of the terminus of South Cherry Lane that abuts Waters 4P.	Sweet-gum Red maple Tuliptree Japanese stilt grass Japanese honeysuckle	-	-	Yes	Yes
4RRR	-	Intermittent	Waters 4RRR is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows southwest into Waters 4TTT.	-	Sand, muck Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4RRRR	-	PFO	Wetland 4RRRR is a PFO located on a hillslope west of the I-495 inner loop and south of Darcy Road that abuts Waters 4SSS.	Red maple American beech Northern spicebush Netted chain fern	-	-	Yes	Yes
4S	-	Ephemeral	Waters 4S is an ephemeral erosional feature located east of the I-495 outer loop and north of the terminus of Flowers Road that flows north into Waters 4Q.	-	Silt, cobble, sand, gravel, riprap Width: 2.5 ft Depth: 2.5 ft	Right: forest Left: forest, mowed lawn	Yes	No
4SS	-	PEM	Wetland 4SS is a beaver-impounded PEM located east of the I-495 outer loop and northwest of West Grove that abuts Waters 4Q.	Red maple Japanese stilt grass Rice cut grass	-	-	Yes	Yes
4SSS	-	PFO	Wetland 4SSS is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4RRR.	Sweet-gum Red maple Common winterberry Northern spicebush Cinnamon fern Rice cut grass Virginia-creeper Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4SSSS	-	Intermittent	Waters 4SSSS is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows northeast from Wetland 4RRRR into Waters 4JJJJ.	-	Silt, sand, muck Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4T	04-BB	Intermittent	Waters 4T is an intermittent channel located east of the I-495 outer loop and northeast of Darcy Road that flows from Waters 4U northwest into a culvert under I-495 and into Waters 4BBB.	-	Silt, sand Width: 15 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4T_C							Yes	Yes
4TT	-	Ephemeral	Waters 4TT is an ephemeral channel located east of the I-495 outer loop and south of Darcy Road that flows southwest into Waters 4B.	-	Sand, gravel Width: 4 ft Depth: 3 ft	Right: forest, emergent vegetationLeft: forest	Yes	No
4TTT	04-D	Perennial	Waters 4TTT is a perennial channel located west of the I-495 inner loop and south of Darcy Road that begins at a culvert under I-495 and flows northwest beyond the study area.	-	Cobble, sand, gravel, riprap, clay Width: 8 ft Depth 1-8 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
4TTTT_2	04-B	Intermittent	Waters 4TTTT is a channel with intermittent and perennial flow that originates at a stormwater management pond outfall in the southwestern quadrant of the I-495/Ritchie Marlboro Road intersection and flows north under Ritchie Marlboro Road, then east under I-495 into Waters 4Z.	-	Silt, sand, gravel, riprap Width: 5-15 ft Depth: 2 ft	Right: old field, forest Left: old field, forest	No	Yes
4TTTT_3		Perennial					Yes	Yes
4TTTT_C2		Perennial					Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4U	04-AA	Intermittent	Waters 4U is an intermittent channel located east of the I-495 outer loop and northeast of Darcy Road that flows northeast into Waters 4T.	-	Silt, sand, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4UU	-	PFO	Wetland 4UU is a PFO located east of the I-495 outer loop and south of Darcy Road that abuts Waters 4B.	Sweet-gum Red maple Virginia-creeper	-	-	Yes	Yes
4UUU	04-E	Intermittent	Waters 4UUU is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows north through Wetland 4VVV into Waters 4TTT.	-	Silt, sand, gravel Width: 5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4UUUU	-	Intermittent	Waters 4UUUU is an intermittent channel located west of the I-495 inner loop and northeast of Darcy Road that flows southeast from outside the study area into Waters 4BBB.	-	Silt, sand Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	Yes
4V	-	PFO	Wetland 4V is a PFO located east of the I-495 outer loop and northeast of Darcy Road within a swale along Waters 4U.	Red maple Sweet-gum Highbush blueberry Unknown grass species (<i>Poaceae</i> sp.) Sensitive fern Horsebrier	-	-	Yes	Yes
4VV	04-DD	PFO	Wetland 4VV is a PFO located east of the I-495 outer loop and south of Darcy Road that abuts Waters 4E.	Sweet-gum Red maple Deer-tongue rosette grass Virginia-creeper Horsebrier	-	-	Yes	Yes
4VVV	04-F	PFO	Wetland 4VVV is a PFO located west of the I-495 inner loop and south of Darcy Road that drains into Waters 4UUU.	Red maple Smooth winterberry (<i>Ilex laevigata</i>) Possumhaw (<i>Viburnum nudum</i>) Green hawthorn (<i>Crataegus viridis</i>) White grass Japanese honeysuckle	-	-	Yes	Yes
4VVVV	-	PEM	Wetland 4VVV is a PEM located southeast of the I-495 outer loop and west of Chestnut Oak Lane.	Lamp rush Wand panic grass Rough barnyard grass Chinese bush-clover (<i>Lespedeza cuneata</i>)	-	-	Yes	Yes
4W	W7PG	Perennial	Waters 4W is a perennial channel located south of Ritchie Marlboro Road and west of the terminus of Chestnut Oak Lane that flows west through culverts under I-495 and an access road and continues beyond the study area into the main stem of Ritchie Branch.	-	Gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
4W_1							Yes	Yes
4W_2							Yes	Yes
4W_C							Yes	Yes
4W_C1							Yes	Yes
4WW	-	PFO	Wetland 4WW is a PFO located east of the I-495 outer loop and west of Sansbury Road.	Black willow	-	-	Yes	Yes
4WWW	W125PG	PFO	Wetland 4WWW is a PFO swale located within the northwest cloverleaf of the MD 4/I-495 interchange that abuts Waters 3LL.	Willow oak Red maple Eastern poison ivy Arrow-leaf tearthumb (<i>Persicaria sagittata</i>)	-	-	Yes	Yes
4WWWW	-	PEM	Wetland 4WWWW is a PEM located southeast of the I-495 outer loop and west of Chestnut Oak Lane.	Broad-leaf cat-tail Wand panic grass Rough barnyard grass Straw-color flat sedge (<i>Cyperus strigosus</i>)	-	-	Yes	Yes
4X	-	Ephemeral	Waters 4X is an ephemeral channel located east of the I-495 outer loop and northeast of Darcy Road that flows north from Wetland 4YY into Waters 4W.	-	Cobble, gravel, sand Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4XX	-	PFO	Wetland 4XX is a PFO located east of the I-495 outer loop and north of Darcy Road that abuts Waters 4T.	Red maple Sweet-gum Rice cut grass Horsebrier Japanese honeysuckle	-	-	Yes	Yes
4XXX	-	PFO	Wetland 4XXX is a PFO swale located within the northwest cloverleaf of the MD 4/I-495 interchange that abuts Waters 4YYY.	Sweet-gum American elm Groundseltree Three-square Wand panic grass	-	-	Yes	Yes
4XXXX	-	POW	Waters 4XXXX is a POW located east of the I 495 outer loop and west of West Grove, adjacent to Wetland 4YYYY, and upstream of Waters 4NN.	-	Silt, sand, gravel Width: 65 ft Length: 90 ft	Right: Scrub-shrub Left: Scrub-shrub	Yes	Yes
4Y	-	Ephemeral	Waters 4Y is an ephemeral channel located east of the I-495 outer loop and west of Bauman Drive that flows northeast into Waters 4Z.	-	Cobble, gravel, sand, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
4Y_D							Yes	No
4YY	-	PSS	Wetland 4YY is a wetland PSS located east of the I-495 outer loop and west of Sansbury Road that abuts Wetland 4ZZ.	Black willow Brookside alder Rice cut grass Arrow-leaf tearthumb	-	-	Yes	Yes
4YYY	-	Intermittent	Waters 4YYY is a concrete-lined, intermittent channel located within the northwest cloverleaf of the MD 4/I-495 interchange that flows southeast into Waters 3LL.	-	Concrete Width: 2 ft Depth: 1 ft	Right: forest, paved road Left: forest, tall grass	Yes	Yes
4YYYY	-	PSS	Wetland 4YYYY is a PSS located east of the I 495 outer loop and west of West Grove, downstream of Waters 4ZZZZ, upstream of Waters 4NN, and surrounds Waters 4XXXX.	Sweet-gum Lamp rush Japanese stilt grass	-	-	Yes	Yes
4Z	-	Perennial	Waters 4Z is a perennial channel originating east of the I-495 outer loop and west of Bauman Drive that flows northeast through several pipes in the southeast and northeast quadrants of the I-495/Ritchie Marlboro Road intersection and continues northeast beyond the study area.	-	Cobble, sand, gravel Width: 4-15 ft Depth: 3-6 ft	Right: forest Left: forest	Yes	Yes
4Z_1	04-O						Yes	Yes
4Z_2	04-O						Yes	Yes
4Z_3	04-O						Yes	Yes
4Z_C	-						Yes	Yes
4Z_C1	04-O						Yes	Yes
4Z_C2	04-O						Yes	Yes
4ZZ	-	PFO	Wetland 4ZZ is a PFO located east of the I-495 outer loop and west of Sansbury Road that abuts Wetland 4YY.	Sweet-gum Ash-leaf maple Highbush blueberry Tuliptree Brookside alder Cinnamon fern New York fern	-	-	Yes	Yes
4ZZZ	W19PG	PFO	Wetland 4ZZZ is a PFO located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop.	Red maple Sweet-gum Black willow Sweet-bay Eastern marsh fern (<i>Thelypteris palustris</i>) Rice cut grass Horsebrier	-	-	Yes	Yes
4ZZZZ	-	Ephemeral	Waters 4ZZZZ is an ephemeral channel located east of the I-495 outer loop and west of West Grove, and flows from Wetland 4AAAAA to Wetland 4YYYY.	-	Silt, sand, gravel Width: 1-2 ft Depth: 0.5-1 ft	Right: Scrub-shrub and old field Left: Scrub-shrub and old field	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 5								
5A	04-P	PFO	Wetland 5A is a PFO swale located in the northeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 4Z.	Sweet-gum Bitter-nut hickory (<i>Carya cordiformis</i>) Leafy bulrush Japanese stilt grass Asiatic tearthumb (<i>Persicaria perfoliata</i>)	-	-	Yes	Yes
5AA	-	PSS	Wetland 5AA is a PSS located in the southwest quadrant of the I-495/MD 214 intersection that abuts Wetland 5Z.	Sweet-gum Groundseltree Shallow sedge Purple loosestrife (<i>Lythrum salicaria</i>)	-	-	Yes	Yes
5B	04-S	Intermittent	Waters 5B is an intermittent and ephemeral channel with an abutting wetland located in the northeast quadrant of the I-495/ Ritchie Marlboro Road intersection. Waters 5B becomes an intermittent channel prior to its confluence with Waters 4Z.	-	Silt, sand Width: 2-5 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
5B_1	-	Ephemeral					Yes	No
5BB	-	Intermittent	Waters 5BB is an intermittent channel located in the southwest quadrant of the I-495/MD 214 intersection that originates at a culvert draining a bioswale along I-495 and flows south into Wetland 5Z.	-	Silt, sand, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
5C	04-R	PFO	Wetland 5C is a PFO located in the northeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 5B.	Red maple American elm Green ash Sweet-gum White grass River-bank grape Eastern poison ivy Horsebrier	-	-	Yes	Yes
5CC	-	PFO	Wetland 5CC is a PFO located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Wetland 5DD.	Sweet-gum American sycamore Common pawpaw Red maple Eastern poison ivy	-	-	Yes	Yes
5DD	-	PEM	Wetland 5DD is a PEM located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Wetland 5CC.	Common persimmon Pennsylvania blackberry (<i>Rubus pensilvanicus</i>) Shallow sedge Lamp rush Tall goldenrod (<i>Solidago altissima</i>) White snakeroot (<i>Ageratina altissima</i>)	-	-	Yes	Yes
5E	04-A	PSS	Wetland 5E is a PSS located in the northwest quadrant of the I-495/Ritchie Marlboro Road intersection.	Black willow Sensitive fern	-	-	Yes	Yes
5EE		POW	Waters 5EE is a POW stormwater management pond located west of I-495 inner loop and southeast of Edgeworth Drive.	-	Silt, sand, and muck Width: 80 ft Length: 500 ft	Right: forest Left: Forest	Yes	Yes
5F	04-U	Perennial	Waters 5F is a perennial channel located east and west of I-495 between Castlewood Drive and Alaking Court that flows east through a culvert under I-495.	-	Silt, sand, riprap Width: 3-5 ft Depth: 4-12 in	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
5F_1							Yes	Yes
5F_C							Yes	Yes
5F_C1							Yes	Yes
5FF	-	Intermittent	Waters 5FF is an intermittent channel located west of the I-495 inner loop and southeast of Edgeworth Drive that flows east to a culvert under I-495 into Waters 5P.	-	Silt, sand, concrete Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
5FF_C							Yes	Yes
5G	-	PSS	Wetland 5G is a PSS located west of the exit ramp from the I-495 inner loop to Ritchie Marlboro Road and east of Alaking Court, in the floodplain of Waters 5F.	Black willow Rice cut grass Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
5GG	-	PFO	Wetland 5GG is a PFO located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Waters 5FF.	Sweet-gum Black elder Ash-leaf maple Sensitive fern Small-spike false nettle Japanese honeysuckle Asian bittersweet Horsebrier	-	-	Yes	Yes
5H	-	Perennial	Waters 5H is a perennial channel located west of the I-495 inner loop and north of Alaking Court that flows south along the study area.	-	Silt, sand, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
5HH	-	Intermittent	Waters 5HH is an intermittent channel located east of the I-495 outer loop and north of Pritchard Lane that originates at a culvert along I-495 and flows northeast outside the study area.	-	Silt, sand, gravel, muck, riprap Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5I	-	PFO	Wetland 5I is a PFO located west of the I-495 inner loop and north of Alaking Court, in the floodplain of Waters 5H.	Common pawpaw Ash-leaf maple Northern spicebush Spotted touch-me-not (<i>Impatiens capensis</i>) Small-spike false nettle Asian bittersweet Unknown grape species	-	-	Yes	Yes
5II	05-I	PFO	Wetland 5II is a PFO located east of the I-495 outer loop and north of Pritchard Lane that abuts Wetland 5LL and Waters 5HH.	Ash-leaf maple Sweet-gum Common persimmon Japanese stilt grass Eastern poison ivy Unknown grape species	-	-	Yes	Yes
5J	-	Intermittent	Waters 5J is an intermittent channel located east of the I-495 outer loop and southwest of Castlewood Drive that begins at a culvert and flows south into Waters 5F.	-	Silt, sand, cobble, riprap Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5JJ	-	Ephemeral	Waters 5JJ is an ephemeral channel located east of the I-495 outer loop and north of Pritchard Lane that flows east from a culvert along I-495 into Wetland 5II.	-	Silt, cobble, sand, gravel, riprap Width: 5 ft Depth: 20 ft	Right: forest Left: forest	Yes	No
5K	04-V	PFO	Wetland 5K is a PFO located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Waters 5F.	Green ash American sycamore Red maple Sweet-gum Common reed Japanese honeysuckle Virginia-creeper	-	-	Yes	Yes
5KK	-	Intermittent	Waters 5KK is an intermittent channel located east of the I-495 outer loop and southwest of Prince Place that flows east from a culvert along I-495 into Wetland 5II.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5L	-	PFO	Wetland 5L is a PFO seep located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Waters 5N and 5F.	Black willow American sycamore Ash-leaf maple Sweet-gum Harvestlice (<i>Agrimonia parviflora</i>) Shallow sedge Amur peppervine	-	-	Yes	Yes
5LL	-	PEM	Wetland 5LL is a PEM located east of the I-495 outer loop and southwest of Prince Place that abuts Wetland 5II.	Reed canary grass Japanese stilt grass Rambler rose	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
5M	-	PEM	Wetland 5M is a PEM seep located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Wetland 5L and Waters 5F.	Lamp rush Shallow sedge Amur peppervine	-	-	Yes	Yes
5MM	-	Intermittent	Waters 5MM is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand, muck Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5N	-	Intermittent	Waters 5N is an intermittent channel located east of the I-495 outer loop and southwest of Castlewood Drive that flows south through Wetland 5L into Waters 5F.	-	Sand, gravel, riprap Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5NN	-	Intermittent	Waters 5NN is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5O	05-E	Ephemeral	Waters 5O is an ephemeral channel located east of the I-495 outer loop and southwest of Pritchard Lane that originates from a concrete culvert under I-495 north and flows north into Waters 5P.	-	Silt, sand, cobble Width: 2-4 ft Depth: 6 in – 1 ft	Right: forest Left: forest	Yes	No
5OO	-	Intermittent	Waters 5OO is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5P	-	Intermittent	Waters 5P is an intermittent channel located east of the I-495 outer loop and southwest of Pritchard Lane that originates at a headcut within Waters 5O and flows north into a storm drain along I-495.	-	Sand, gravel Width: 3-4 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
5PP	-	Intermittent	Waters 5PP is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows east from a culvert along I-495 into Waters 6G.	-	Silt, sand, concrete Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5PP_C							Yes	Yes
5Q	05-H	Perennial	Waters 5Q is a perennial channel located along the western side of the on-ramp from MD 214 to I-495 south that originates at a culvert, abuts Wetland 5R, and flows parallel to the on-ramp until it converges with Waters 5S.	-	Silt, sand, cobble, riprap Width: 2-20 ft Depth: 1 ft	Right: paved road Left: paved road	Yes	Yes
5Q_C							Yes	Yes
5QQ	-	Intermittent	Waters 5QQ is an intermittent channel located west of the exit ramp from the I-495 outer loop to MD 214 that flows from Wetland 5UU through a culvert under the exit ramp into Waters 6G.	-	Concrete Width: 3 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5QQ_2							Yes	Yes
5QQ_C							Yes	Yes
5R	-	PEM	Wetland 5R is a PEM located along the western side of the on-ramp from MD 214 to the I-495 inner loop, in the floodplain of Waters 5Q.	Black willow Rice cut grass Eastern poison ivy Trumpet-creeper (<i>Campsis radicans</i>)	-	-	Yes	Yes
5RR	-	PFO	Wetland 5RR is a PFO located east of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 6G.	Ash-leaf maple Northern spicebush Japanese stilt grass Purple-stem American-aster (<i>Symphyotrichum puniceum</i>) Horsebrier Japanese honeysuckle	-	-	Yes	Yes
5S	W120PG	Perennial	Waters 5S is the mainstem of Southwest Branch, a perennial channel located south of the I-495/MD 214 interchange that flows east through a culvert under I-495 and continues southeast beyond the study area.	-	Sand, gravel, concrete Width: 10-30 ft Depth: 5 ft	Right: forest, commercial Left: forest, commercial	Yes	Yes
5S_1							Yes	Yes
5S_B							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
5SS	-	Ephemeral	Waters 5SS is an ephemeral channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows east from a culvert along I-495 into Waters 6G.	-	Silt, sand Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
5T	-	Perennial	Waters 5T is a perennial channel located along the western side of the on-ramp from MD 214 to the I-495 inner loop that flows parallel to Waters 5Q and into Waters 5S.	-	Sand, gravel, concrete Width: 3-4 ft Depth: 6 – 12 in	Right: commercial Left: forest	Yes	Yes
5TT	-	PEM	Wetland 5TT is a PEM located east of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 6G.	Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
5UU	-	PSS	Wetland 5UU is a PSS located west of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 5QQ.	Ash-leaf maple Red maple Broad-leaf cat-tail Purple loosestrife Amur peppervine	--		Yes	Yes
5V	-	PEM	Wetland 5V is a PEM swale located within the southeast quadrant of the I-495/MD 214 interchange.	Broad-leaf-cat-tail Unknown grass species (<i>Poaceae</i> sp.)	-	-	Yes	Yes
5W	05-C	Intermittent	Waters 5W is an intermittent channel located within the southeast quadrant of the I-495/MD 214 interchange that flows west into Waters 6G.	-	Silt, sand, cobble, gravel, riprap Width: 3 ft Depth: 1 in	Right: mowed lawn Left: forest	Yes	Yes
5W_1		Ephemeral					Yes	No
5X	W147PG	PFO	Wetland 5X is a PFO located in the southeast quadrant of the I-495/MD 214 intersection.	Red maple Black tupelo Green ash Sweet-gum Common reed Amur peppervine	-	-	Yes	Yes
5Y	-	Ephemeral	Waters 5Y is an ephemeral channel located in the southeast quadrant of the I-495/MD 214 intersection that flows northeast into Wetland 5X.	-	Sand Width: 1-3 in Depth: 6 in	Right: forest Left: forest	Yes	No
5Z	-	PFO	Wetland 5Z is a PFO located in the southwest quadrant of the I-495/MD 214 intersection that abuts Wetland 5AA.	Loblolly pine (<i>Pinus taeda</i>) Sweet-gum	-	-	Yes	Yes
Subsegment 6								
6A	W132PG	PFO	Wetland 6A is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	American sycamore Ash-leaf maple Green ash Sweet-gum Rice cut grass Fowl manna grass Frost grape	-	-	Yes	Yes
6AA	-	Intermittent	Waters 6AA is an intermittent channel located northeast of the on ramp from Arena Drive to the I-495 outer loop that flows east from a culvert under I-495 into Waters 6G.	-	Sand, gravel, riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6AAA	05-F	Intermittent	Waters 6AAA is an intermittent ditch and culvert located under the Metro bridge, west of the I-495 inner loop and southeast of the intersection of Brightseat Road and Congress Place, that flows northeast through a concrete culvert under I-495 into Waters 6G. Water 6FFFF_2 outputs to Waters 6AAA_1 before Waters 6AAA_1 flows into 6AAA_C1.	-	Silt, sand, riprap Width: 2-4 ft Depth: 6 in – 1 ft	Right: forest, paved road Left: forest, emergent vegetation	No	Yes
6AAA_1							Yes	Yes
6AAA_B							No	Yes
6AAA_C							No	Yes
6AAA_C1							Yes	Yes
6AAAA	-	Ephemeral	Waters 6AAAA is an ephemeral channel located west of I-495 and south of MD 202 that flows east from a commercial parking lot into Waters 6UU.	-	Sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
6B	W155PG	Perennial	Waters 6B is a perennial channel located east of the I-495 outer loop and west of Shoppers Way that flows east from an outfall structure into Waters 6G.	-	Sand, gravel, concrete Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6BB	-	Intermittent	Waters 6BB is an intermittent channel located east of the exit ramp from the I-495 outer loop to Arena Drive that flows northwest from a stormwater management pond outside the study area into Waters 6G.	-	Silt, sand, gravel, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6BB_C							Yes	Yes
6BBBB	W159PG	Intermittent	Waters 6BBBB is an intermittent channel roadside drainage channel located west of I-495 and south of MD 202 that flows east under I-495 to Waters 6G.	-	Silt, sand Width: 3 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
6BBBB_C							Yes	Yes
6C	W133PG	PFO	Wetland 6C is a PFO located east of the I-495 outer loop and northwest of N. Harry S. Truman Drive that abuts Waters 6G and 6B.	River birch Ash-leaf maple Green ash Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
6CC	-	PFO	Wetland 6CC is a PFO swale located east of the exit ramp from the I-495 outer loop to Arena Drive that abuts Waters 6BB.	Green ash Common pawpaw Northern spicebush Eastern poison ivy Frost grape Horsebrier	-	-	Yes	Yes
6CCC	-	PEM	Wetland 6CCC is a PEM swale located in the northwest quadrant of the I-495/MD 214 interchange.	Lamp rush Canadian rush (<i>Juncus canadensis</i>) Amur peppervine	-	-	Yes	Yes
6CCCC	-	PFO	Wetland 6CCCC is a PFO ditch located west of I-495 and south of MD 202.	Black willow American elm Green ash Rambler rose Spotted touch-me-not Eastern poison ivy Frost grape	-	-	Yes	Yes
6D	-	Intermittent	Wetland 6D is an intermittent channel located east of the I-495 outer loop and west of Shoppers Way that flows east from a culvert under I-495 into Waters 6G.	-	Silt, sand, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
6DD	-	PFO	Wetland 6DD is a PFO swale located east of the exit ramp from the I-495 outer loop to Arena Drive that abuts Waters 6BB.	Green ash Sweet-gum Eastern poison ivy White grass Virginia-creeper	-	-	Yes	Yes
6DDD	-	POW	Waters 6DDD is a beaver impounded POW system located east of I-495 and south of MD 202, on the north side of the on ramp from I-495 outer loop to MD 202 eastbound.	-	Silt, sand Length: 360 ft Width: 115 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
6DDD_C		Intermittent					Yes	Yes
6E	W135PG	PFO	Wetland 6E is a PFO swale located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	American elm Pin oak Green ash Netted chain fern Eastern poison ivy Horsebrier	-	-	Yes	Yes
6EE	-	Intermittent	Waters 6EE is an intermittent channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows southeast from outside the study area into Waters 6G.	-	Sand, cobble, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6EEE	-	Intermittent	Waters 6EEE is an intermittent channel located east of I-495 and south of MD 202 on the north side of the on ramp from the I-495 outer loop to MD 202 eastbound that flows southwest into Waters 6DDD.	-	Cobble, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6F	-	PFO	Wetland 6F is a PFO located east of the I-495 outer loop and west of Shoppers Way that drains southeast to Waters 6G.	Red maple American elm Sweet-gum Green ash Northern spicebush Eastern poison ivy Sweet wood-reed Horsebrier	-	-	Yes	Yes
6FF	-	PEM	Wetland 6FF is a PEM located northeast of the on ramp from Central Avenue to the I-495 outer loop that is encompassed by Wetland 6Q.	Reed canary grass	-	-	Yes	Yes
6FFF	05-L	PEM	Wetland 6FFF is a PEM located west of the exit ramp from the I-495 inner loop to MD 214 west.	Sweet-gum Lamp rush Rambler rose Leafy bulrush Virginia-creeper Eastern poison ivy Unknown grape species	-	-	Yes	Yes
6FFFF	-	Intermittent	Waters 6FFFF is an intermittent channel located west of the I 495 inner loop and southeast of the intersection of Brightseat Road and Congress Place that flows east through several culverts into Waters 6AAA	-	Silt, sand Width: 3 ft Depth: 4 in	Right: Forest Left: Forest	Yes	Yes
6FFFF_1							Yes	Yes
6FFFF_2							Yes	Yes
6FFFF_C							Yes	Yes
6FFFF_C1							Yes	Yes
6G	06-D	Perennial	Waters 6G is a perennial channel and unnamed tributary to Southwest Branch Western Branch Patuxent River located east of the I-495 outer loop. Waters 6G flows south through the study area along I-495, from north of the Landover Road/I-495 interchange and into Waters 5S, which is the Southwest Branch Western Branch Patuxent River. Waters 6G flows through subsegments 5, 6, and 7.	-	Silt, sand, gravel Width: 20 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
6G_1	06-D						Yes	Yes
6G_2	W150PG						Yes	Yes
6G_3	W150PG						Yes	Yes
6G_4	W150PG						Yes	Yes
6G_5	W150PG						Yes	Yes
6G_6	W150PG						Yes	Yes
6G_B	06-D						Yes	Yes
6G_C	06-D						Yes	Yes
6G_C1	W150PG						Yes	Yes
6G_C2	W150PG						Yes	Yes
6G_C3	W150PG						Yes	Yes
6G_C4	W150PG						Yes	Yes
6GG	-	PFO	Wetland 6GG is a PFO located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6HH.	Red maple American sycamore Sweet-gum American hornbeam Virginia-creeper Northern spicebush Horsebrier	-	-	Yes	Yes
6GGG	-	Intermittent	Waters 6GGG is an intermittent channel located in the western quadrants of the MD 214/I-495 interchange that flows through Wetlands 6HHH and 6QQQ, then flows south through multiple culverts under MD 214 and I-495 ramps and outfalls to Waters 5Q. Waters 6GGG flows through subsegments 5 and 6.	-	Silt, sand Width: 4 ft Depth: 3 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
6GGG_1							Yes	Yes
6GGG_C							Yes	Yes
6GGG_C1							Yes	Yes
6GGG_C2							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6GGGG	-	PFO	Wetland 6GGGG is a PFO located west of the I 495 inner loop and southeast of the intersection of Brightseat Road and Congress Place that abuts Waters 6FFFF.	Red maple Sweet-gum Northern spicebush Horsebrier Japanese honeysuckle	-	-	Yes	Yes
6H	-	PEM	Wetland 6H is a series of PEM located in the floodplain of Waters 6G, south of the culvert under the exit ramp from the I-495 outer loop to Arena Drive.	Black elder Ash-leaf maple Reed canary grass Crimson-eyed rose-mallow Amur peppervine	-	-	Yes	Yes
6HH	-	Perennial	Waters 6HH is a perennial channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows west from outside the study area into Waters 6G.	-	Sand, clay Width: 8 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
6HHH	-	PFO	Wetland 6HHH is a PFO located in the northwest quadrant of the MD 214/I-495 interchange, in the floodplain of Waters 6GGG.	Sweet-gum Red maple Virginia pine Lamp rush Japanese honeysuckle	-	-	Yes	Yes
6I	W130PG	PFO	Wetland 6I is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	Green ash Ash-leaf maple Sweet wood-reed Lamp rush Pointed broom sedge Eastern poison ivy Fox grape	-	-	Yes	Yes
6II	-	PFO	Wetland 6II is a PFO located east of the on ramp from Arena Drive to the I-495 outer loop that abuts Waters 6G and 6R.	Red maple River birch Sweet-gum Green ash Virginia-creeper Eastern poison ivy Small-spike false nettle Asian bittersweet	-	-	Yes	Yes
6III	05-A	Intermittent	Waters 6III is an intermittent channel located west of the I-495 inner loop and northeast of Continental Place that flows south along I-495 into a culvert under I-495 and east into Waters 6B.	-	Cobble, muck, riprap Width: 6 ft Depth: 1 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
6III_C							Yes	Yes
6J	W154PG	Ephemeral	Waters 6J is an ephemeral channel located east of the I-495 outer loop and west of Shoppers Way that flows east from Wetland 6K into Waters 6G.	-	Silt, sand, muck Width: 6 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
6JJJ	05-B	Perennial	Waters 6JJJ is a perennial channel located west of the I-495 inner loop and northeast of Continental Place that originates from a culvert under the soundwall, converges with Waters 6III through a 36-inch culvert under I-495 south, and drains east to Waters 6B.	-	Cobble, silt, riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6JJJ_C							Yes	Yes
6K	-	PFO	Wetland 6K is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6J.	Sweet-gum American elm Green ash Eastern poison ivy Sweet wood-reed Fox grape Horsebrier	-	-	Yes	Yes
6KK	-	Intermittent	Waters 6KK is an intermittent channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows west from Wetland 6LL into Waters 6G.	-	Sand, gravel Width: 1 ft Depth: 6 in – 2 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6KKK	W145PG	PEM	Wetland 6KKK is a PEM ditch located west of the I-495 inner loop and north of Continental Place that abuts Waters 6LLL.	Black willow Spotted water hemlock (<i>Cicuta maculata</i>) Rice cut grass Broad-leaf cat-tail	-	-	Yes	Yes
6L	W164PG	Intermittent	Waters 6L is an intermittent channel drainage ditch located east of the I-495 outer loop and west of N. Harry S. Truman Drive that flows east from an outfall structure along I-495 into Waters 6G.	-	Sand, gravel, riprap Width: 4 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
6LL	-	PFO	Wetland 6LL is a PFO swale located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6KK.	Sweet-gum American sycamore American hornbeam Green ash Sweet wood-reed Eastern poison ivy Japanese stilt grass Horsebrier	-	-	Yes	Yes
6LLL	06-B	Perennial	Waters 6LLL is a perennial channel located west of the I-495 inner loop and south of Arena Drive that flows north from a business development storm drain to Waters 6MMM.	-	Silt, cobble, sand, gravel, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6M	-	Perennial	Waters 6M is a perennial channel located east of the I-495 outer loop and west of N. Harry S. Truman Drive that flows west from outside the study area into Waters 6G.	-	Silt, sand, gravel Width: 10 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
6MM	-	Ephemeral	Waters 6MM is an ephemeral channel that originates within the northeast quadrant of the I-495/MD 214 interchange and flows northeast through a culvert under the I-495 on ramp into Waters 6G.	-	Silt, sand Width: 1.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
6MM_1							Yes	No
6MM_C							Yes	No
6MMM	06-C	Perennial	Waters 6MMM is a perennial channel that originates west of the I-495 inner loop and south of Arena Drive that flows east through a culvert under I-495 into Wetland 6G.	-	Silt, sand, cobble Width: 6-10 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
6MMM_1							Yes	Yes
6MMM_C							Yes	Yes
6N	-	PEM	Wetland 6N is a PEM located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abuts Waters 6G.	Common pawpaw Ash-leaf maple Japanese stilt grass Asiatic tearthumb Amur peppervine	-	-	Yes	Yes
6NN	-	Intermittent	Waters 6NN is an intermittent channel located east of the I-495 outer loop and southwest of the McCormick Drive/Peppercorn Place intersection that flows south from Wetland 6OO into Waters 6G.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest, emergent vegetation Left: forest	Yes	Yes
6NNN	-	Intermittent	Waters 6NNN is an intermittent channel located west of the I-495 inner loop and south of Arena Drive that flows northeast from Wetland 6OOO into Waters 6MMM.	-	Sand, gravel Width: 2 ft Depth: 3-6 in	Right: forest Left: forest	Yes	Yes
6NNN_1							Yes	Yes
6NNN_C							Yes	Yes
6O	-	Ephemeral	Waters 6O is an ephemeral channel located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abuts Wetland 6N and flows southwest from outside the study area into Waters 6G.	-	Silt, sand Width: 2-6 in Depth: 6 in – 2 ft	Right: forest Left: forest	Yes	No
6OO	-	PEM	Wetland 6OO is a series of PEM floodplain depressions located east of the I-495 outer loop and west of McCormick Drive that abut Wetland 6Y and form a broad wetland complex along Waters 6G.	Rice cut grass	-	-	Yes	Yes
6OOO	-	PFO	Wetland 6OOO is a PFO located west of the I-495 inner loop and south of Arena Drive that abuts Waters 6NNN.	American elm Allegheny blackberry (<i>Rubus allegheniensis</i>) Spotted touch-me-not Eastern poison ivy Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6P	-	PFO	Wetland 6P consists of two palustrine forested wetlands (PFO) located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abut Waters 6G.	Sweet-gum Ash-leaf maple American elm Common pawpaw Northern spicebush Jumpseed (<i>Persicaria virginiana</i>) Eastern poison ivy Frost grape	-	-	Yes	Yes
6PP	-	PFO	Wetland 6PP is a PFO located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6HH.	Pin oak Red maple Green ash Sweet-gum Japanese stilt grass Fowl manna grass Eastern poison ivy Horsebrier Trumpet-creeper	-	-	Yes	Yes
6PPP	W143PG	PFO	Wetland 6PPP is a PFO located west of the I-495 inner loop, north and south of Arena Drive.	Sweet-gum American elm Black willow Rambler rose Common reed Eastern poison ivy	-	-	Yes	Yes
6Q	-	PFO	Wetland 6Q is a series of PFOs located east of the I-495 outer loop and west of Largo Drive West, in the floodplain of Waters 6G.	Sweet-gum American elm Green ash Japanese stilt grass	-	-	Yes	Yes
6QQ	W139PG	PFO	Wetland 6QQ is a PFO located within the northeast quadrant of the I-495/MD 214 interchange.	Green ash Virginia-creeper Dotted smartweed (<i>Persicaria punctata</i>) Shallow sedge Lamp rush	-	-	Yes	Yes
6QQQ	-	PEM	Wetland 6QQQ is a PEM located within the northwest quadrant of the MD 214/I-495 interchange that abuts Wetland 6HHH.	Lamp rush Japanese stilt grass	-	-	Yes	Yes
6R	-	Ephemeral	Waters 6R is an ephemeral channel located east of the on ramp from westbound Arena Drive to the I-495 outer loop that becomes an intermittent channel as it flows north and dissipates into Wetland 6II.	-	Silt, cobble, sand Width: 2-3 ft Depth: 1 ft	Right: forest, industrial/commercial Left: forest, paved road	Yes	No
6R_1	-	Intermittent					Yes	Yes
6RR	-	PEM	Wetland 6RR is a PEM located within the northeast quadrant of the I-495/MD 214 interchange that abuts Wetland 6QQ.	Green ash Eastern poison ivy	-	-	Yes	Yes
6RRR	W158PG	Intermittent	Waters 6RRR is an intermittent channel located west of the I-495 inner loop and south of MD 202 that flows southeast under I-495 into Waters 6TT.	-	Silt, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest, paved road	Yes	Yes
6RRR_C							Yes	Yes
6RRR_D							No	Yes
6S	-	PEM	Wetland 6S is a PEM ditch located west of the exit ramp from the I-495 inner loop to Arena Drive.	Common reed	-	-	Yes	Yes
6SS	-	Intermittent	Waters 6SS is an intermittent channel located east of the I-495 outer loop and west of the McCormick Drive/Peppercorn Place intersection that flows west from a pipe culvert along the UMUC parking lot, through Wetlands 6Y and 6OO, and into Waters 6G.	-	Sand, cobble, gravel, riprap Width: 3 ft Depth: 6 in	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
6SS_C							Yes	Yes
6SSS	W142PG	PEM	Wetland 6SSS is a small PEM located west of the I-495 inner loop and north of Arena Drive.	Sweet-gum Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6T	-	Intermittent	Waters 6T is an intermittent channel located within the southeast quadrant of the Arena Drive/I-495 interchange that flows south from Wetland 6U into Waters 6G.	-	Sand, cobble, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6TT	-	Perennial	Waters 6TT is a perennial channel located east of the I-495 outer loop and southwest of the terminus of Basil Court that flows east from a culvert under the exit ramp from the I-495 outer loop to Landover Road and into Waters 6G.	-	Silt, cobble, sand, gravel Width: 6 ft Depth: 1 ft	Right: forest Left: emergent vegetation	Yes	Yes
6TTT	W160PG	Intermittent	Waters 6TTT is an intermittent channel roadside drainage channel located west of the I-495 inner loop and north of Arena Drive that flows east under I-495 into Waters 6AA.	-	Silt, cobble, sand, gravel, concrete, riprap Width: 3 ft Depth: 4 in	Right: forest Left: tall grass	Yes	Yes
6TTT_C							Yes	Yes
6U	W131PG	PFO	Wetland 6U is a series of PFO swales located within the eastern quadrants of the Arena Drive/I-495 interchange, north of a stormwater management pond and within the floodplain of Waters 6G.	Black willow Green ash White grass Reed canary grass Japanese honeysuckle	-	-	Yes	Yes
6UU	-	Intermittent	Waters 6UU is an intermittent channel that begins south of the on ramp from Landover Road to the I-495 inner loop at Waters 6AAAA, flows east through a culvert under I-495, and dissipates into Wetland 6Y.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6UU_1							Yes	Yes
6UU_C							Yes	Yes
6UUU	-	Intermittent	Waters 6UUU is an intermittent channel located west of the I-495 inner loop and north of Arena Drive that flows east through Wetland 6VV into Waters 6TTT.	-	Silt, cobble, sand Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6V	-	Ephemeral	Waters 6V is an ephemeral channel located within the northeast quadrant of the Arena Drive/I-495 interchange that flows south through Wetland 6U.	-	Sand, cobble, gravel Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	No
6VV	W148PG	PFO	Wetland 6VV is a PFO located in the southeast cloverleaf of the I-495/MD 202 interchange that abuts Waters 6WW.	Red maple American elm Green ash Eastern poison ivy	-	-	Yes	Yes
6VVV	-	PFO	Wetland 6VVV is a PFO located west of the I-495 inner loop and north of Arena Drive, in the floodplain of Waters 6UUU.	American elm Sweet-gum Red maple White grass Sensitive fern Eastern poison ivy Amur peppervine	-	-	Yes	Yes
6WW	W163PG	Intermittent	Waters 6WW is an intermittent channel located in the southeast cloverleaf of the I-495/MD 202 interchange that originates at Wetland 6VV and flows southeast through a culvert under the on ramp from MD 202 to the I-495 outer loop into Waters 6DDD.	-	Silt, cobble, sand, gravel Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6WW_C							Yes	Yes
6WWW	-	Ephemeral	Waters 6WWW is an ephemeral channel located west of the I-495 inner loop and north of Arena Drive that flows east into Waters 6TTT.	-	Silt, sand, gravel Width: 2-3 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
6XX	-	Ephemeral	Waters 6XX is an ephemeral channel located in the southeast cloverleaf of the I-495/MD 202 interchange that flows northeast from a culvert along the on ramp from MD 202 to the I-495 outer loop into Wetland 6VV.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6XXX	-	PFO	Wetland 6XXX is a PFO located west of the I-495 inner loop and north of Arena Drive, on a hillslope adjacent to Waters 6TTT.	Red maple Sweet-gum Sweet wood-reed Eastern poison ivy Virginia-creeper Japanese honeysuckle Garlic-mustard (<i>Alliaria petiolata</i>)	-	-	Yes	Yes
6Y	W134PG	PFO	Wetland 6Y is a large PFO located east of the I-495 outer loop and south of MD 202, in the floodplain of Waters 6G.	Green ash Red maple Fowl manna grass Sweet wood-reed Reed canary grass Japanese stilt grass	-	-	Yes	Yes
6YY	-	Ephemeral	Waters 6YY is an ephemeral channel located in the southeast cloverleaf of the I-495/MD 202 interchange that flows southwest from a bioswale pipe outfall into Wetland 6ZZ.	-	Silt, sand, gravel, muck Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
6YYY	-	PEM	Wetland 6YYY is a PEM located on a hillslope west of the I-495 inner loop and north of Arena Drive that abuts Wetland 6XXX.	Red maple Sweet-gum River birch Japanese stilt grass	-	-	Yes	Yes
6Z	-	Intermittent	Waters 6Z is an intermittent channel located east of the I-495 outer loop and west of the McCormick Drive/Peppercorn Place intersection that flows northwest from a culvert along the University of Maryland University College (UMUC) parking lot, through Wetlands 6Y and 6OO, and into Waters 6G.	-	Sand, cobble, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6ZZ	-	PFO	Wetland 6ZZ is a PFO swale located in the southeast cloverleaf of the I-495/MD 202 interchange that abuts Waters 6WW.	American elm Green ash Callery pear Eastern poison ivy	-	-	Yes	Yes
6ZZZ	-	PFO	Wetland 6ZZZ is a PFO located southwest of the ramp from eastbound MD 202 to the I-495 inner loop, in the floodplain of Waters 6RRR.	Red maple American elm Sweet-gum Green ash Eastern poison ivy	-	-	Yes	Yes
Subsegment 7								
7A	06-A	Intermittent	Waters 7A is an intermittent channel located northwest of the I-495/MD 202 interchange that flows southeast from a business development storm drain to a pipe under I-495 and into Waters 7H.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7A_C							Yes	Yes
7AA	-	Intermittent	Waters 7AA is an intermittent channel located southwest of the US 50/I-495 interchange that flows west from Wetland 7KK into Waters 7S.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7B	W156PG	Ephemeral	Waters 7B is an ephemeral channel draining uplands located northwest of the I-495/MD-202 interchange that flows north into Waters 7A.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
7BB	07-E	Intermittent	Waters 7BB is an intermittent channel located east of the I-495 outer loop and north of Glenarden Parkway that flows north from a non-jurisdictional concrete swale and through a culvert under a soundwall into Waters 7O.	-	Silt, concrete, muck Width: 4-5 ft Depth: 1 ft	Right: forest Left: tall grass	Yes	Yes
7BB_1							Yes	Yes
7BB_C							Yes	Yes
7BB_D							No	Yes
7C	-	PEM	Wetland 7C is a PEM located west of the I-495 inner loop and southeast of Reicher Street that drains southeast to Waters 7D.	Broad-leaf cat-tail Rice cut grass	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7CC	07-C	PEM	Wetland 7CC is a PEM located along the east side of the I-495 outer loop and north of Glenarden Parkway that abuts Waters 7BB.	Broad-leaf cat-tail	-	-	Yes	Yes
7D	-	Intermittent	Waters 7D is an intermittent channel located west of the I-495 inner loop and southeast of Reicher Street that flows southeast from Wetland 7C into Waters 7E.	-	Silt, sand Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
7DD	-	PFO	Wetland 7DD is a PFO located northeast of the on ramp from westbound MD 202 to the I-495 outer loop that abuts Wetland 7EE.	Sweet-gum Black willow Reed canary grass Asiatic tearthumb	-	-	Yes	Yes
7E	W89PG	Perennial	Waters 7E is a perennial channel located west of the I-495 inner loop and east of Reicher Street that flows south from Waters 7F into Waters 7G.	-	Silt, sand, muck Width: 3-4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7EE	-	PEM	Wetland 7EE is a PEM located northeast of the on ramp from westbound MD 202 to the I-495 outer loop, in the floodplain of Waters 6G.	Sweet-gum Reed canary grass Broad-leaf cat-tail Climbing hempvine Amur peppervine	-	-	Yes	Yes
7F	-	Intermittent	Waters 7F is an intermittent channel located west of the I-495 inner loop and east of Reicher Street that flows south from a culvert draining Wetland 7K into Waters 7E.	-	Concrete, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7F_C							Yes	Yes
7FF	-	PFO	Wetland 7FF is a PFO located east of the I-495 outer loop and north of 7th Street, in the floodplain of Waters 7II.	Red maple Southern arrow-wood Spotted touch-me-not	-	-	Yes	Yes
7G	W11PG	Perennial	Waters 7G is a perennial stream located east of the I-495 outer loop and west of the Woodmore Towne Centre that flows northwest from outside the study area to a culvert under an access road, and then southeast along I-495 to an additional culvert under I-495.	-	Silt, cobble, sand, gravel, concrete Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7G_1							Yes	Yes
7G_2							Yes	Yes
7G_C							Yes	Yes
7G_C1							Yes	Yes
7GG	-	Intermittent	Waters 7GG is an intermittent channel located east of the I-495 outer loop and west of 7th Street that flows south into Waters 7JJ and abuts Wetland 7HH.	-	Sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7H	07-D	Intermittent	Waters 7H is an intermittent channel located west of the I-495 inner loop and east of Evarts Street that flows north from a storm water outfall draining I-495 to Waters 7G.	-	Silt, concrete, muck, leaves Width: 3-6 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
7HH	-	PFO	Wetland 7HH is a PFO located east of the I-495 outer loop and west of 7th Street, in the floodplain of Waters 7GG and 7JJ.	Black willow Red maple Northern spicebush Virginia-creeper Jumpseed	-	-	Yes	Yes
7I	-	Intermittent	Waters 7I is an intermittent channel located west of the I-495 inner loop and east of 5th Street that originates within Wetland 7J and flows south into a storm drain.	-	Muck Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7II	-	Intermittent	Waters 7II is an intermittent channel located east of the I-495 outer loop and north of 7th Street that flows southwest from outside the study area, through Wetland 7FF, and into Waters 7O.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7J	-	PFO	Wetland 7J is a PFO located west of the I-495 inner loop and east of 5th Street that drains south to Waters 7I.	American elm Sweet-gum Southern arrow-wood Sensitive fern Virginia-creeper Eastern poison ivy Horsebrier	-	-	Yes	Yes
7JJ	-	Perennial	Waters 7JJ is a perennial channel located east of the I-495 outer loop and west of 7th Street that flows west from outside the study area into a culvert under I-495.	-	Silt, cobble, sand Width: 5 ft Depth: 1 ft	Right: forest, housing Left: forest	Yes	Yes
7JJ_1							Yes	Yes
7JJ_C							Yes	Yes
7JJ_C1							Yes	Yes
7K	-	PEM	Wetland 7K is a PEM ditch located west of the I-495 inner loop and northeast of Girard Street that drains south into a pipe and into Waters 7F.	Broad-leaf cat-tail	-	-	Yes	Yes
7KK	-	PFO	Wetland 7KK is a PFO swale located southwest of the I-495/US 50 interchange that abuts Waters 7AA.	Red maple Black tupelo Pin oak Southern arrow-wood Rambler rose White grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
7L	06-G	PFO	Wetland 7L is a PFO located within the northeast cloverleaf of the I-495/MD 202 interchange.	Silver maple (<i>Acer saccharinum</i>) Red maple Sweet-gum Pin oak Green ash Lamp rush	-	-	Yes	Yes
7LL	-	PEM	Wetland 7LL is a PEM located south of US-50 and east of Martin Luther King Jr Highway.	Sweet-gum Soft-stem club-rush (<i>Schoenoplectus tabernaemontani</i>) Narrow-leaf cat-tail	-	-	Yes	Yes
7M	-	PFO	Wetland 7M is a PFO located within the northeast cloverleaf of the I-495/MD 202 interchange, north of Wetland 7L.	Red maple Pin oak northern catalpa Lamp rush Lesser poverty rush (<i>Juncus tenuis</i>) Frost grape	-	-	Yes	Yes
7MM	-	Intermittent	Waters 7MM is an intermittent channel located in the southern cloverleaf of the US 50/Martin Luther King Jr Boulevard interchange that flows south into a storm water management facility.	-	Silt, cobble, sand, muck, gravel Width: 6 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7N	W88PG	Perennial	Waters 7N is a perennial channel located west of the I-495 inner loop and east of 5th Street that flows north through a pipe into Waters 7O.	-	Concrete Width: 3 ft Depth: 1ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
7N_1							Yes	Yes
7N_C							Yes	Yes
7NN	-	Ephemeral	Waters 7NN is an ephemeral channel located south of US-50 and east of Martin Luther King Jr Boulevard that flows southeast into a roadside swale.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 4 ft	Right: herbaceous Left: herbaceous	Yes	No
7O	-	Perennial	Waters 7O is a perennial channel named Cattail Branch located south of Ardwick Ardmore Road and north of the terminus of 7th Street that flows southwest from outside the study area, through a culvert under I-495, and west beyond the study area.	-	Silt, cobble, sand, gravel, concrete Width: 4-15 ft Depth: 5 ft	Right: forest, housing Left: forest, housing	Yes	Yes
7O_1							Yes	Yes
7O_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7P	-	PEM	Wetland 7P is an isolated PEM swale located southwest of the on ramp from US 50 to the I-495 inner loop.	Rice cut grass Japanese honeysuckle	-	-	Yes	Yes
7PP	-	Intermittent	Waters 7PP is intermittent channel located south of US-50 and east of Pennsy Drive that flows northwest under US 50 and into Waters 8Z.	-	Silt, cobble, sand, concrete, gravel Width: 8 ft Depth: 4 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
7PP_C							Yes	Yes
7Q_2	-	Perennial	Waters 7Q is a perennial channel located under the on ramp from US 50 to the I-495 outer loop. This feature is located within the southern portions of the US 50/I-495 interchange and flows west through a series of conveyances to a culvert along the ramp from US 50 to the I-495 inner loop, where it is piped beyond the study area.	-	Silt, sand, riprap Width: 3 ft Depth: 2 ft	Right: forest, paved road Left: paved road, tall grass	Yes	Yes
7Q_3							Yes	Yes
7Q_C1							Yes	Yes
7Q_C2							Yes	Yes
7R	-	PEM	Wetland 7R is a PEM ditch located southwest of the on ramp from US 50 to the I-495 inner loop.	Groundseltree Broad-leaf cat-tail Common reed	-	-	Yes	Yes
7RR	-	PEM	Wetland 7KK is a PEM located south of US-50 and east of Martin Luther King Jr Highway.	Virginia pine Ash-leaf maple Fowl blue grass (<i>Poa palustris</i>) Narrow-leaf cat-tail	-	-	Yes	Yes
7S	-	Perennial	Waters 7S is a perennial channel located southwest of the US 50/I-495 interchange that flows northwest from outside the study area into a culvert under I-495 in subsegment 7. Waters 7S is also known as Waters 8W where it crosses subsegment 8 northwest of the US 50/I-495 interchange, south of Corporate Drive.	-	Silt, sand, gravel, concrete, riprap Width: 2-8 ft Depth: 1.5-4 ft	Right: forest, paved road Left: forest	Yes	Yes
7S_C								
7SS	-	Intermittent	Waters 7SS is an intermittent channel located northeast of the on ramp from westbound MD 202 to the I-495 outer loop that abuts Wetlands 7DD and 7EE and flows into Waters 6G.	-	Silt, sand, cobble, and riprap Width: 4 ft Depth: 1 ft	Right: Emergent vegetation Left: Emergent vegetation with some forest	Yes	Yes
7T	-	Perennial	Waters 7T is perennial channel located east of the I-495 outer loop and north of Evarts Street that flows southwest through a culvert under an access road and south into Waters 7G.	-	Silt, sand, iron flocculation Width: 3 ft Depth: 6 in	Right: forest, paved road Left: forest	Yes	Yes
7T_1							Yes	Yes
7T_C							Yes	Yes
7U	-	PSS	Wetland 7U is a series of PSS east of the I-495 outer loop and west of the Woodmore Towne Centre, in the floodplain of Waters 7G.	Northern spicebush Rice cut grass Jumpseed	-	-	Yes	Yes
7V	-	Ephemeral	Waters 7V is an ephemeral channel located east of the I-495 outer loop and west of the Woodmore Towne Centre that flows northwest from Wetland 7W into Waters 7G.	-	Silt, muck Width: 1 ft Depth: 3 in	Right: emergent vegetation Left: forest, paved road	Yes	No
7W	07-A	PFO	Wetland 7W is a PFO located east of the I-495 outer loop and southwest of Evarts Street that abuts Waters 7V and 7G.	Black willow Red maple Green ash Sweet-gum Fowl manna grass Halberd-leaf tearthumb (<i>Persicaria arifolia</i>) Amur peppervine	-	-	Yes	Yes
7Y	-	PFO	Wetland 7Y is a PFO located east of the I-495 outer loop and west of Evarts Street that drains abuts Waters 7G.	American elm Bitter-nut hickory Sweet-gum White grass Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7Z	-	PFO	Wetland 7Z is a PFO located east of the I-495 outer loop and northwest of Evarts Street, in the floodplain of Waters 7T.	American sycamore Red maple White grass Horsebrier Virginia-creeper	-	-	Yes	Yes
Subsegment 8								
8A	-	Intermittent	Waters 8A is an intermittent channel located between Cobb Road and the I-495 inner loop, northwest of the US 50/I-495 interchange that flows north from Wetland 8M into Waters 8J.	-	Sand, gravel, riprap Width: 2 ft Depth 1.5 ft	Right/Left: emergent vegetation, paved road	Yes	Yes
8AA	-	Perennial	Waters 8AA is a perennial channel located north of the US 50 westbound on ramp from Garden City Drive that flows east into Waters 8Z.	-	Silt, cobble, sand, gravel Width: 5 ft Depth: 1.5 ft	Right: forest, scrub-shrub Left: scrub-shrub, herbaceous	Yes	Yes
8BB	-	Perennial	Waters 8BB is a perennial channel located north of US 50 and east of Garden City Drive that flows south into Waters 8Z.	-	Silt, sand, gravel Width: 5 ft Depth: 2 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8CC	-	Ephemeral	Waters 8CC is an ephemeral channel located south of US 50 and west of Ardwick Ardmore Road that flows south into Waters 8Z outside of the study area.	-	Silt, sand, gravel Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
8D	-	POW	Waters 8D is an in-line stormwater management facility located east of the I-495 outer loop and west of Jenna Court that flows north into Waters 8F.	-	Silt, riprap Width: 75 ft Length: 175 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8DD	-	Intermittent	Waters 8DD is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows northeast out of the study area.	-	Silt, sand, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
8DD_1							Yes	Yes
8DD_2							Yes	Yes
8DD_C							Yes	Yes
8E	-	Intermittent	Waters 8E is an intermittent channel located east of the I-495 outer loop and west of Jenna Court that flows south under the on ramp from US 50 to the I-495 outer loop.	-	Gravel, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
8E_C							Yes	Yes
8E_D							Yes	Yes
8EE	-	Ephemeral	Waters 8DD is an ephemeral channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Waters 8DD.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No
8F	-	Intermittent	Waters 8F is an intermittent channel located east of the I-495 outer loop and west of the on ramp from US 50 to the I-495 outer loop that flows north into Waters 8J through a culvert under I-495.	-	Riprap Width: 12 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8F_C							Yes	Yes
8FF	-	PFO	Wetland 8FF is a PFO located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8DD, Waters 8EE, and Waters 8GG.	Black tupelo Red maple Sweet-gum Sensitive fern Horsebrier	-	-	Yes	Yes
8G	-	Ephemeral	Waters 8G is an ephemeral and intermittent channel located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court that flows southwest into Waters 8E.	-	Sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
8G_1	-	Intermittent					Yes	Yes
8GG	-	Intermittent	Waters 8GG is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Wetland 8FF.	-	Silt, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
8H	-	PFO	Wetland 8H is a PFO located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court.	Black willow Red maple Groundseltree Sweet-gum Rice cut grass Shallow sedge	-	-	Yes	Yes
8HH	-	Intermittent	Waters 8HH is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Waters 8GG.	-	Sand, silt Width: 3 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
8HH_C								
8I	-	Ephemeral	Waters 8I is an ephemeral channel located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court that flows south into Wetland 8H.	-	Silt Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
8J	-	Intermittent	Waters 8J is an channel with intermittent and perennial flow that originates east of the I-495 outer loop, flows southwest through culverts under I-495 and Cobb Road, and continues west outside the study area.	-	Silt, cobble, gravel, riprap Width: 4 ft Depth: 1 ft	Right: scrub-shrub Left: forest	Yes	Yes
8J_1	-	Perennial					Yes	Yes
8J_2	-	Perennial					Yes	Yes
8J_C	-	Intermittent					Yes	Yes
8J_C1	-	Perennial					Yes	Yes
8JJ	-	PFO	Wetland 8JJ is a PFO located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8HH.	Sweet-gum Lamp rush Sensitive fern	-	-	Yes	Yes
8K	-	PEM	Wetland 8K is a PEM located east of the ramp from westbound US 50 to Garden City Drive and southwest of Whitfield Community Park that abuts Waters 8J.	Rice cut grass	-	-	Yes	Yes
8KK		PSS	Wetland 8KK is a PSS located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8DD, Waters 8EE, and Waters 8GG.	Groundseltree Broad-leaf cat-tail Unknown grass species (<i>Poa</i> sp.) Eastern poison ivy	-	-	Yes	Yes
8L	-	PFO	Wetland 8L is a PFO located east of the ramp from westbound US 50 to Garden City Drive and southwest of Whitfield Community Park that abuts Waters 8J to Wetland 8K.	River birch Sweet-gum Tall false rye grass Frost grape	-	-	Yes	Yes
8LL	-	PFO	Wetland 8LL is a PFO located east of the I-495 outer loop and Cobb Road near Waters 8J.	American sycamore Red maple Green ash Groundseltree Japanese stilt grass Japanese honeysuckle	-	-	Yes	Yes
8M	-	PEM	Wetland 8M is a PEM located between Cobb Road and the I-495 inner loop, northwest of the US 50/I-495 interchange that abuts Waters 8A.	Groundseltree Broad-leaf cat-tail Chairmaker’s club-rush (<i>Schoenoplectus americanus</i>)	-	-	Yes	Yes
8MM	-	Intermittent	Waters 8MM is an intermittent channel located east of the I-495 outer loop and Cobb Road upstream of Waters 8J.	-	Silt, cobble, sand, gravel Width: 4 ft Depth: 2 ft	Right: Forest Left: Forest	Yes	Yes
8N	-	Intermittent	Waters 8N is an channel with intermittent and perennial flow located between Cobb Road and the I-495 inner loop that drains south from Wetland 8O into Waters 8J.	-	Sand, gravel, riprap Width: 2 ft Depth: 1 ft	Right: paved road Left: paved road	Yes	Yes
8N_1	-	Perennial					Yes	Yes
8O	-	PEM	Wetland 8O is a PEM ditch located west of the I-495 inner loop and east of the intersection of Cobb Road and Professional Place that abuts Waters 8N.	Willow oak Black elder Black willow Unidentified blackberry species (<i>Rubus</i> sp.) Broad-leaf cat-tail Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
8P	-	PSS	Wetland 8P is a PSS located west of the I-495 inner loop and southeast of the intersection of Cobb Road and Professional Place, in the floodplain of Waters 8N.	Groundseltree Black willow Green ash Broad-leaf cat-tail Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
8Q	-	PEM	Wetland 8Q is a PEM located west of the I-495 inner loop and southeast of the intersection of Cobb Road and Professional Place, in the floodplain of Waters 8N.	Black willow Black elder Common reed Eastern poison ivy	-	-	Yes	Yes
8R	W12PG	Perennial	Waters 8R is an channel with intermittent and perennial flow that flows northwest along the east side of the ramp from MD 450 to the I-495 outer loop, and contin-ues through a culvert under I-495 and outside the study area. Waters 8R flows through subsegments 8 and 9.	-	Sand Width: 12 ft Depth: 8 ft	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes
8R_C	W12PG	Intermittent					Yes	Yes
8R_C1	W12PG	Perennial					Yes	Yes
8R_D	W12PG	Intermittent					Yes	Yes
8R_D1	W12PG	Intermittent					Yes	Yes
8S	-	Ephemeral	Waters 8S is an ephemeral channel that originates southeast of the exit ramp from the I-495 outer loop to Annapolis Road and flows northeast to a culvert under Annapolis Road before it dissipates into Wetland 9E within the interchange cloverleaf. Waters 8S flows through subsegments 8 and 9.	-	Sand, debris Width: 2 ft Depth: 6 in	Right: emergent vegetation, commercial Left: emergent vegetation, paved road	Yes	No
8S_1							Yes	No
8S_C							Yes	No
8T	-	Ephemeral	Waters 8T is an ephemeral channel located south of Annapolis Road and east of the I 495 outer loop that flows northeast from Wetland 8U into Waters 8R.	-	Cobble, sand Width: 2 ft Depth: 6 in	Right: emergent vegetation and paved road Left: emergent vegetation and paved road	Yes	No
8U	-	PEM	Wetland 8U is a PEM ditch located south of Annapolis Road and east of the I-495 outer loop.	Broad-leaf cat-tail	-	-	Yes	Yes
8V	-	Intermittent	Waters 8V is an intermittent channel located west of the I-495 outer loop and northeast of Cobb Road that flows southwest from a culvert and under the roadway into a stormwater management pond outside the study area.	-	Silt, sand, gravel, concrete Width: 4 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
8W	-	Intermittent	See Waters 7S.				Yes	Yes
8W_1							Yes	Yes
8W_C							Yes	Yes
8X	-	Intermittent	Waters 8X is an intermittent channel located north of the I-495 outer loop ramp to Corporate Drive that flows northwest through Wetland 8Y and into Waters 8W.	-	Silt, sand, gravel, debris Width: 2 ft Depth: 6 in	Right: herbaceous Left: herbaceous	Yes	Yes
8Y	-	PEM	Wetland 8Y is a PEM located north of 1-495 outer loop ramp to Corporate Drive that abuts Waters 8X.	Sweet-gum Red maple Silver maple Willow oak Rambler rose Japanese stilt grass Narrow-leaf cat-tail	-	-	Yes	Yes
8Z	-	Perennial	Waters 8Z is a perennial channel located north of US-50 and west of Pennsy Drive that flows west under Garden City Drive and then south under US 50 and out of the study area.	-	Silt, cobble, sand, gravel Width: 12 ft Depth: 6 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8Z_1							Yes	Yes
8Z_2							Yes	Yes
8Z_3							Yes	Yes
8Z_C							Yes	Yes
8Z_C1							Yes	Yes
8Z_C2							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 9								
9A	07-G	Intermittent	Waters 9A is an intermittent channel located in the western cloverleaf of the I-495/MD 450 interchange that begins at a culvert outfall draining uplands and flows north into Wetland 9B, with sections of the channel consisting of sheet flow.	-	Silt, muck Width: 5 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
9B	07-I	PEM	Wetland 9B is a PEM located in the western cloverleaf of the I-495/MD 450 interchange, adjacent to Waters 9C.	Pin oak Green ash Amur peppervine	-	-	Yes	Yes
9BB	-	PFO	Wetland 9BB is a PFO seep located along a hillslope west of the I-495 inner loop and south of Good Luck Road that extends west outside of the study area.	Willow oak Sweet-gum Southern arrow-wood Callery pear Virginia-creeper Eastern poison ivy Amur peppervine	-	-	Yes	Yes
9C	W74PG	Intermittent	Waters 9C is an intermittent channel located in the western cloverleaf of the I-495/MD 450 interchange that flows west through a culvert under the exit ramp from the I-495 inner loop to MD 450 and outside the study area.	-	Silt, sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
9C_1							Yes	Yes
9C_C							Yes	Yes
9C_C1							Yes	Yes
9CC	-	Perennial	Waters 9CC is a perennial channel located east of the I-495 outer loop that originates near the terminus of Midra Drive and flows downslope.	-	Cobble, sand, gravel, riprap Width: 1-3 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
9CC_C							Yes	Yes
9D	07-H	PFO	Wetland 9D is a PFO located in the eastern cloverleaf of the I-495/MD 450 interchange, adjacent to Wetland 9E.	Pin oak Sawtooth oak (<i>Quercus acutissima</i>) Slippery elm (<i>Ulmus rubra</i>) Eastern poison ivy	-	-	Yes	Yes
9DD	-	PEM	Wetland 9DD is a PEM located east of the I-495 outer loop and south of Midra Drive, in the floodplain of Waters 9CC.	Rice cut grass White grass	-	-	Yes	Yes
9E	W13PG	PEM	Wetland 9E is a PEM located in the eastern cloverleaf of the I-495/MD 450 interchange, adjacent to Wetland 9D.	European water-plantain (<i>Alisma plantago-aquatica</i>) Swamp smartweed Canadian rush Japanese stilt grass	-	-	Yes	Yes
9EE	-	PFO	Wetland 9EE is a PFO located east of the I-495 outer loop and south of Midra Drive that abuts Waters 9CC.	Sweet-gum Black tupelo Red maple Cut-leaf water-horehound (<i>Lycopus americanus</i>) Eastern poison ivy Horsebrier	-	-	Yes	Yes
9F	W16PG	Intermittent	Waters 9F is an intermittent channel located east of the I-495 outer loop and west of Hanover Parkway that flows northwest into Waters 9G.	-	Silt Width: 3-5 ft Depth: 10-12 in	Right: forest Left: forest	No	Yes
9FF	-	Ephemeral	Waters 9FF is an ephemeral channel located east of the I-495 outer loop and south of Edgerton Drive that flows northwest into Waters 9CC.	-	Sand Width: 1-2 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
9G	-	Perennial	Waters 9G is a perennial channel located on both sides of I-495 that flows southwest through a culvert under I-495 and outside the study area east of Kepner Court.	-	Sand, gravel, riprap Width: 8 ft Depth: 1 ft	Right: mowed lawn Left: scrub-shrub	Yes	Yes
9G_1							Yes	Yes
9G_C							Yes	Yes
9GG	-	Intermittent	Waters 9GG is an intermittent channel that originates at a headcut near the intersection of Edgerton Drive and Tiffany Lane and flows southwest into Waters 9CC.	-	Sand, gravel, riprap Width: 2-3 ft Depth: 3-5 ft	Right: forest, mowed lawn Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
9HH	-	PFO	Wetland 9HH is a PFO located east of the I-495 outer loop and northwest of Priscilla Court, in the floodplain of Waters 9Y and 9II.	Red maple Black tupelo Northern spicebush Southern arrow-wood Skunk-cabbage Horsebrier Virginia-creeper	-	-	Yes	Yes
9II	-	Intermittent	Waters 9II is an intermittent channel located east of the I-495 outer loop and northwest of Priscilla Court that drains Wetland 9HH and flows west from outside the study area into Waters 9Y.	-	Silt, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9J	W15PG	Perennial	Waters 9J is a perennial channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows into a culvert under I-495.	-	Gravel Width: 10 ft Depth: 2-3 ft	Right: forest Left: forest	Yes	Yes
9J_C							Yes	Yes
9JJ	08-B	Perennial	Waters 9JJ is a perennial channel located east of the I-495 outer loop and west of Priscilla Court that flows northwest from outside the study area into Waters 9Y.	-	Silt, cobble, sand, gravel Width: 5-10 ft Depth: 1.5 ft	Right: forest Left: forest, paved road	Yes	Yes
9K	-	PSS	Wetland 9K is a PSS located east of the I-495 outer loop and southwest of Lake Park Drive, in the floodplain of Waters 9J.	Black willow Sweet-gum Broad-leaf cat-tail Rice cut grass Trumpet-creeper	-	-	Yes	Yes
9KK	-	PFO	Wetland 9KK is a PFO located east of the I-495 outer loop and west of Priscilla Court, in the floodplain of Waters 9JJ.	Red maple Sweet-gum River birch Northern spicebush Small-spike false nettle Eastern poison ivy Horsebrier	-	-	Yes	Yes
9L	-	POW	Waters 9L is a palustrine open water (POW) in-line stormwater management facility located east of the I 495 outer loop and southwest of Lake Park Drive that outlets to Waters 9J.		Silt, sand, muck Width: 60 ft Length: 220 ft Depth: 5 ft	Right: residential Left: residential	Yes	Yes
9LL	-	Ephemeral	Waters 9LL is an ephemeral channel located east of the I-495 outer loop and west of Priscilla Court that flows west from Wetland 9KK into Waters 9MM.	-	Silt, cobble, sand Width: 1-2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
9M	08-D	Intermittent	Waters 9M is an intermittent channel and ditch located east of the I-495 outer loop and southwest of Lake Park Drive that flows northwest from an ephemeral swale into Waters 9J. The feature is considered a ditch until it abuts Wetland 9N.		Silt Width: 1-3 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
9M_D							No	Yes
9MM	08-C	Intermittent	Waters 9MM is an intermittent channel located east of the I-495 outer loop and west of Priscilla Court that flows north into Waters 9JJ.	-	Silt, muck Width: 4 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
9N	-	PSS	Wetland 9N is a PSS located east of the I-495 outer loop and southwest of Lake Park Drive that abuts Waters 9M.	Red maple Sweet-gum Rambler rose Fowl manna grass Deer-tongue rosette grass Virginia-creeper	-	-	Yes	Yes
9NN	W14PG	PFO	Wetland 9NN is a PFO located east of the I-495 outer loop and west of Priscilla Court that abuts Waters 9MM.	Red maple Sweet-gum Red fescue (<i>Festuca rubra</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
9O	-	Ephemeral	Waters 9O is an ephemeral channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows north from Wetland 9N into Waters 9J.	-	Silt, sand, riprap Width: 1 ft Depth: 1.5 ft	Right: forest, paved road Left: forest, paved road	Yes	No
9OO	-	Ephemeral	Waters 9OO is an ephemeral channel located east of the I-495 outer loop and west of Priscilla Court that flows northeast from a culvert along I-495 into Wetland 9KK.	-	Silt, sand Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
9P	-	Ephemeral	Waters 9P is an ephemeral channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows south into Waters 9J.	-	Silt, sand, muck Width: 2 ft Depth: 3 in	Right: forest, paved road Left: forest	Yes	No
9PP	-	PFO	Wetland PP is a PFO located northwest of the I-495 outer loop and adjacent to the northern portion of 9G, east of Hanover Parkway.	American sycamore Red maple Sweet-gum			Yes	Yes
9QQ	-	Intermittent	Waters 9QQ is an ephemeral and intermittent channel located west of the I-495 inner loop and east of Newburg Drive. The feature becomes an intermittent channel before it flows southeast into Waters 9J_C.	-	Silt, sand, gravel, riprap Width: 3 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
9QQ_1	-	Ephemeral					Yes	No
9R	07-F	Intermittent	Waters 9R is an intermittent channel located west of the exit ramp from the I-495 inner loop to MD 450 that flows north into Waters 9C.	-	Silt, gravel, muck, leaves Width: 3-5 ft Depth: 1.5 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
9RR	-	Intermittent	Waters 9RR is an ephemeral and intermittent channel located west of the I-495 inner loop and east of Cathedral Avenue. The feature becomes an intermittent channel before it flows north into Waters 9J_C.	-	Silt, sand, gravel, riprap Width: 3 ft Depth 1-3 ft	Right: forest Left: forest	Yes	Yes
9RR_1	-	Ephemeral					Yes	No
9SS	-	PFO	Wetland 9SS is a PFO located west of the I-495 inner loop and east of Newburg Drive that abuts Waters 9QQ.	Sweet-gum Red maple Japanese-knotweed (<i>Reynoutria japonica</i>)	-	-	Yes	Yes
9T	-	Intermittent	Waters 9T begins as an intermittent channel west of 88th Place and becomes perennial as it flows west under I-495 and outside of the study area.	-	Cobble, sand, gravel, concrete Width: 6 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	Yes
9T_1	-	Perennial					Yes	Yes
9T_C	-	Intermittent					Yes	Yes
9TT	-	PFO	Wetland 9TT is a PFO located west of the I-495 inner loop and east of Cathedral Avenue that abuts Waters 9RR.	Red maple Southern arrow-wood Japanese honeysuckle Horsebrier Japanese-knotweed	-	-	Yes	Yes
9U	-	Intermittent	Waters 9U is an intermittent channel located west of the I-495 inner loop and east of Powhatan Street that flows north into Waters 9T.	-	Cobble, sand, gravel, concrete Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9UU	-	Ephemeral	Waters 9UU is an ephemeral channel located west of the I-495 inner loop and east of Cathedral Avenue that flows north into Wetland 9TT.	-	Cobble, sand, muck Width:3 ft Depth: 3 in	Right: forest Left: forest	Yes	No
9V	-	Intermittent	Waters 9V is an intermittent channel located west of the I-495 inner loop and east of Powhatan Street that drains Wetland 9W and flows south into Waters 9T.	-	Sand, gravel, muck Width: 2-8 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9VV	-	Intermittent	Waters 9VV is an intermittent channel located east of the I-495 outer loop and southwest of Midra Drive that flows southeast from Wetland 9WW into Waters 9CC.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
9W	-	PFO	Wetland 9W is a PFO located west of the I-495 inner loop and east of Powhatan Street that abuts Waters 9V.	Pin oak northern white oak Sweet-bay Common winterberry English ivy Horsebrier	-	-	Yes	Yes
9WW	-	PFO	Wetland 9WW is a PFO located east of the I-495 outer loop and southwest of Midra Drive that abuts Waters 9VV.	Sweet-gum Callery pear Black willow Lamp rush Japanese stilt grass Horsebrier	-	-	Yes	Yes
9Y	08-A	Perennial	Waters 9Y is Brier Ditch, a perennial channel located south of Carrollton Parkway and north of 87th Avenue that flows west through a culvert under I-495 and continues outside of the study area.	-	Silt, cobble, sand, gravel, concrete Width: 4-10 ft Depth: 1.5 ft	Right: forest, mowed lawn Left: forest	Yes	Yes
9Y_1							Yes	Yes
9Y_C							Yes	Yes
9Z	-	Intermittent	Waters 9Z is an intermittent ditch located west of the I-495 inner loop and southeast of Carrollton Parkway that flows north into Waters 9Y.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 6 in	Right: forest Left: forest	No	Yes
9Z_C	-						No	Yes
Subsegment 10								
10A	-	Ephemeral	Waters 10A is an ephemeral channel located southwest of the I-495/MD 295 interchange that originates from a culvert under MD 295.	-	Silt, cobble, sand Width: 5 ft Depth: < 1 in	Right: forest Left: forest	Yes	No
10AA	09-B	Perennial	Waters 10AA is a perennial channel located west of the ramp from the I-495 outer loop to MD 201 that flows northeast under I-495.	-	Silt, sand, gravel Width: 2-6 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
10AA_C							Yes	Yes
10AAA	-	Intermittent	Waters 10AAA is an intermittent channel located south of the I-495 inner loop, east of I-295, and downstream of wetland 10XX.	-	Sand, cobble, gravel, bedrock Width: 1-3 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
10B	08-N	Intermittent	Waters 10B is an intermittent channel located within the southern quadrant of the I-495/MD 295 interchange that originates from a head cut and flows west under the cloverleaf ramp to Waters 10C.	-	Silt, cobble, sand Width: 2-3 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
10B_1							Yes	Yes
10B_C							Yes	Yes
10BB	09-A	Perennial	Waters 10BB is a perennial channel located west of the ramp from the I-495 outer loop to MD 201.	-	Clay, sand Width: 3 ft Depth: 4 in	Right: forest Left: I-95/495 ramp to MD 201	Yes	Yes
10BB_C								
10C	08-P	Perennial	Waters 10C is a perennial channel located within the southwest cloverleaf of the I-495/MD 295 interchange that flows south from Wetland 10D, into a culvert (10C_C) under the exit ramps, and outfalls before flowing south beyond the ROW fence (10C_1).	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 6 – 18 in	Right: forest Left: forest	Yes	Yes
10C_1							Yes	Yes
10C_C							Yes	Yes
10CC	-	Intermittent	Waters 10CC is an intermittent channel located south of the I-495/MD 201 interchange and northeast of Walker Drive that flows northeast.	-	Sand, muck Width: 4-10 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
10D	W69PG	PSS	Wetland 10D is a PSS located within the south cloverleaf of the I-495/MD 295 interchange.	Common reed Sweet-gum Red maple Groundseltree	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10DD	-	PFO	Wetland 10DD is a PFO located in the I-295 median southwest of the I-295/I-495 interchange that abuts Waters 10TT.	Red maple Willow oak Sweet-gum Common winterberry Horsebrier	-	-	Yes	Yes
10E	08-O	Perennial	Waters 10E is a perennial channel located within the south cloverleaf of the I-495/MD 295 interchange that flows into Wetland 10D.	-	Silt, sand, cobble Width: 1.5 ft Depth: 6 in	Right: I-495 Left: forest	Yes	Yes
10EE	-	PFO	Wetland 10EE is a PFO located in the I-295 median southwest of the I-295/I-495 interchange.	Red maple Sweet-gum American elm Willow oak Lamp rush Eastern poison ivy Horsebrier	-	-	Yes	Yes
10F	08-L	Intermittent	Waters 10F is an intermittent channel located southwest of the I-495/MD 295 interchange that flows southeast under the northbound lanes of I-295 and an exit ramp before flowing west outside of the study area.	-	Silt, cobble, sand Width: 2-8 ft Depth: 1-8 in	Right: forest Left: forest	Yes	Yes
10F_1							Yes	Yes
10F_2							Yes	Yes
10F_C							Yes	Yes
10F_C1							Yes	Yes
10FF	-	Intermittent	Waters 10FF is an intermittent channel located west of the northbound I-295 off ramp to westbound Greenbelt Road that flows from a culvert into Wetland 10GG.	-	Silt, sand, gravel, muck Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
10G	-	Ephemeral	Waters 10G is an ephemeral channel located south of the I-495/MD 295 interchange.	-	Silt, sand, muck Width: 2-4 ft Depth: <1-3 ft	Right: forest Left: forest	Yes	No
10GG	-	PFO	Wetland 10GG is a PFO located west of the northbound I-295 off ramp to westbound Greenbelt Road that abuts Waters 10FF.	Red maple Sweet-gum American elm Black tupelo Eastern poison ivy Horsebrier	--		Yes	Yes
10H	08-Q	PFO	Wetland 10H is a PFO located south of the ramp from northbound MD 295 to the I-495 inner loop.	Red maple Sweet-gum Eastern poison ivy	-	-	Yes	Yes
10I	-	PFO	Wetland 10I is a PFO located south of the I-495/MD 295 interchange.	Red maple Black tupelo Sweet-gum Cinnamon fern Sensitive fern	-	-	Yes	Yes
10J	W68PG	Intermittent	Waters 10J is an intermittent ditch located within the west cloverleaf of the I-495/MD 295 interchange.	-	Concrete Width: 2 ft Depth 1-2 in	Right: forest Left: forest	No	Yes
10J_C								
10JJ	-	Intermittent	Waters 10JJ is an intermittent ditch located south of I-295 and northwest of Mandan Road that originates at a culvert under I-295 and flows northeast out of the study area.	-	Silt, cobble, sand Width: 3 ft Depth: 1.5 ft	Right: forest Left: forest	No	Yes
10K	W17PG	Intermittent	Waters 10K is an intermittent channel located in the east cloverleaf of the I-495/MD 295 interchange that flows south under I-95/I-495.	-	Gravel, sand, silt Width: 2-4 ft Depth: 1-2 in	Right: forestL eft: forest	Yes	Yes
10K_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10KK	-	Intermittent	Waters 10KK is an intermittent ditch located east of the on ramp from Greenbelt Road to I-295 northbound that flows southwest into Waters 10MM.	-	Silt, sand, cobble Width: 5 ft Depth: 6 in	Right: forest Left: forest	No	Yes
10L	08-G	Intermittent	Waters 10L is an intermittent channel located north of the on ramp from southbound MD 295 to the I-495 outer loop that flows north from a culvert under the ramp and continues outside the study area.	-	Silt Width: 2-10 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
10M	08-H	PFO	Wetland 10M is a PFO located north of the on ramp from southbound MD 295 to the I-495 outer loop, abutting Waters 10L beyond the ROW fence.	Sweet-gum Red maple Broad-leaf cat-tail	-	-	Yes	Yes
10MM	-	Intermittent	Waters 10MM is an intermittent channel located north of I-295 and south of Ridge Road that flows south through a culvert under I-295 into Waters 10PP.	-	Silt, cobble, sand Width: 5 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
10MM_1							Yes	Yes
10MM_C							Yes	Yes
10N	08-I	Intermittent	Waters 10N is an intermittent channel located east of the I-495 outer loop and south of MD-193 that flows west from outside the study area into a culvert under I-495.	-	Silt, sand, gravel, concrete Width: 6-10 ft Depth: 3-10 in	Right: forest Left: forest	Yes	Yes
10N_1	W66PG						Yes	Yes
10N_C	08-I						Yes	Yes
10N_D	W66PG						No	Yes
10NN	-	PFO	Wetland 10NN is a PFO located north of I-295 and east of the I-295 off ramp to Southway.	Sweet-gum Black tupelo Sweet wood-reed Pinkweed (<i>Persicaria pensylvanica</i>)	-	-	Yes	Yes
10O	-	Ephemeral	Waters 10O is an ephemeral channel located in the MD 295 median and west of the I-495 inner loop.	-	Silt, sand Width: 2-4 ft Depth: 0-2 in	Right: forest Left: forest	Yes	No
10P	08-M	PFO	Wetland 10P is a PFO located in the MD 295 median, west of the MD 295/I-495 interchange.	Sweet-gum Sensitive fern Cinnamon fern	-	-	Yes	Yes
10PP	-	Intermittent	Waters 10PP is an intermittent channel located north of I-295 and east of the I-295 off ramp to Southway that flows south from Wetland 10NN, under I-295, and flows west.	-	Cobble, sand, gravel, and riprap Width: 4 ft Depth: 1.5 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
10PP_1							Yes	Yes
10PP_C							Yes	Yes
10Q	-	Ephemeral	Waters 10Q is an ephemeral channel located north of the eastern cloverleaf of the I-495/MD 201 interchange.	-	Silt, gravel Width: 1-3 ft Depth: 0-3 in	Right: forest Left: forest	Yes	No
10Q_C								
10QQ	-	Perennial	Waters 10QQ is a perennial channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10TT.	-	Silt, sand, cobble, gravel Width: 6 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
10R	09-C	PFO	Wetland 10R is a PFO located within the eastern cloverleaf of the I-495/MD 201 interchange.	Red maple Tuliptree Black tupelo Siberian crabapple (<i>Malus baccata</i>) Eastern poison ivy	-	-	Yes	Yes
10RR	-	Ephemeral	Waters 10RR is an ephemeral channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10QQ.		Silt, sand, leaf litter Width: 3 ft Depth: 5 ft	Right: forest Left: forest	Yes	No
10S	W19PG	Perennial	Waters 10S is a perennial channel located within the eastern cloverleaf of the I-495/MD 201 interchange.	-	Sand, concrete Width: 3 ft Depth: 4.5 ft	Right: forest Left: forest	Yes	Yes
10S_C								
10SS	-	Intermittent	Waters 10SS is an intermittent channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10QQ.	-	Silt, cobble, gravel, sand Width: 7 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10T	09-R	PFO	Wetland 10T is a PFO located north of the ramp from northbound MD 201 to the I-495 inner loop.	Red maple Black tupelo Sweet-gum Netted chain fern	-	-	Yes	Yes
10TT	-	Perennial	Waters 10TT is a perennial channel located south of the I-295/I-495 interchange that flows east under I-295 and out of the study area.	-	Sand, silt Width: 15 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
10TT_1							Yes	Yes
10TT_2							Yes	Yes
10TT_C							Yes	Yes
10TT_C1							Yes	Yes
10U	09-S	Intermittent	Waters 10U is an intermittent channel located north of the ramp from northbound MD 201 to the I-495 inner loop that flows southeast to a culvert under I-495.	-	Silt, cobble, muck Width: 3-5 ft Depth: 5 in	Right: forest Left: forest	Yes	Yes
10UU	-	Intermittent	Waters 10UU is an intermittent channel located east of I-295 and south of the I-295/I-495 interchange and flows northwest into Waters 10TT.	-	Silt, sand Width: 3 ft Depth: 2 in	Right: scrub-shrub Left: forest	Yes	Yes
10V	09-P	PEM	Wetland 10V is a PEM located between I-495 and the ramp from northbound MD 201 to the I-495 inner loop.	Lamp rush Mild water-pepper Amur peppervine	-	-	Yes	Yes
10VV	-	PEM	Wetland 10VV is a PEM located east of I-295 and south of the I-295/I-495 interchange that abuts Waters 10TT.	Sweet-gum Broad-leaf cat-tail Reed canary grass Japanese stilt grass	-	-	Yes	Yes
10W	09-Q	PEM	Wetland 10W is a PEM ditch located south of the ramp from northbound MD 201 to the I-495 inner loop.	Lamp rush Shallow sedge	-	-	Yes	Yes
10WW		PFO	Wetland 10WW is a PFO located east of I-295 and south of the I-295/I-495 interchange that abuts Wetland 10VV.	Black tupelo Red maple American holly Skunk-cabbage Cinnamon fern Japanese stilt grass	-	-	Yes	Yes
10X	-	Ephemeral	Waters 10X is an isolated ephemeral channel located west of the I-495 outerloop and north of MD 193.	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
10XX	-	PFO	Wetland 10XX is a PFO located west of I-295 and south of the I-295/I-495 interchange that abuts Waters 10TT.	Sweet-gum Red maple Black tupelo American hornbeam Northern spicebush Highbush blueberry Japanese stilt grass	-	-	Yes	Yes
10Y	-	Perennial	Waters 10Y is a perennial channel located south of the I-495/MD 201 interchange and northeast of Walker Drive.	-	Silt, cobble, sand, concrete Width: 2 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
10Y_C							Yes	Yes
10YY	09-D	Perennial	Waters 10YY is a perennial channel located northeast of the I-495/MD-201 interchange and south of Crescent Road.	-	Concrete Width: 2-4 ft Depth: 2-15 in	Right: hedgerow Left: hedgerow	Yes	Yes
10Z	-	PFO	Wetland 10Z is a PFO located south of the I-495/MD 201 interchange and northeast of Walker Drive.	Sweet-gum American beech American holly Red maple Sweet-bay Common reed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 11								
11A	09-F	Intermittent	Waters 11A is an intermittent and perennial ditch located south of the ramp from southbound MD 201 to the I-495 outer loop that begins at an ephemeral ditch, flows west into a culvert that flows under the I-495 on-ramp and outside of the study area. The ditch becomes perennial downstream of its convergence with Wetland 11B.	-	Silt, cobble, sand, gravel, concrete Width: 5 ft Depth: 6 in	Right: forest Left: forest	No	Yes
11A_1	09-F	Perennial					Yes	Yes
11AA	09-Y	Intermittent	Waters 11AA is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast into Waters 11L.	-	Cobble, muck Width: 2-3 ft Depth: 2-8 in	Right: forest Left: hedgerow	Yes	Yes
11B	-	PFO	Wetland 11B is a PFO located south of the ramp from southbound MD 201 to the I-495 outer loop.	Sweet-gum Pin oak Morrow's honeysuckle Horsebrier	-	-	Yes	Yes
11BB	-	Intermittent	Waters 11BB is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast from Wetland 11F into Waters 11L.	-	Cobble, sand Width: 1 ft Depth: 2-8 in	Right: forest Left: forest	Yes	Yes
11C	W20PG	Intermittent	Waters 11C is an intermittent channel located south of the ramp from southbound MD 201 to the I-495 outer loop that flows north into Waters 11A.	-	Silt, cobble, sand, gravel, riprap Width: 3 ft Depth: 0-3 in	Right: forest Left: forest	Yes	Yes
11C_C								
11CC	09-Z	Intermittent	Waters 11AA is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows south from Wetland 11FF into Waters 11AA.	-	Silt, sand, muck Width: 1-2 ft Depth: 1-4 in	Right: forest Left: forest	Yes	Yes
11D	-	Intermittent	Waters 11D is an intermittent channel located south of the ramp from southbound MD 201 to the I-495 outer loop and flows east into Waters 11C.	-	Silt, sand Width: 1-2 ft Depth: 0-3 in	Right: forest Left: forest fringe transitioning to mowed roadway ROW	No	Yes
11DD	09-GG	PEM	Wetland 11DD is a PEM located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop, in the floodplain of Waters 11CC.	Reed canary grass	-	-	Yes	Yes
11E	W21PG	Perennial	Waters 11E is a perennial channel located northwest of the I-495/MD-201 interchange, that originates at Greenbelt Lake (outside of the study area) and flows northwest under I-495. Waters 11E flows through subsegments 10 and 11.	-	Silt, sand, gravel, concrete, riprap Width: 10-20 ft Depth: 3 in – 3 ft	Right: forest Left: forest	Yes	Yes
11E_C							Yes	Yes
11E_C1							Yes	Yes
11E_C2							Yes	Yes
11E_D							Yes	Yes
11E_D1							Yes	Yes
11E_D2							Yes	Yes
11EE	09-HH	PFO	Wetland 11EE is a PFO located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11AA.	Red maple Northern spicebush Skunk-cabbage Horsebrier	-	-	Yes	Yes
11F	09-E	PEM	Wetland 11F is a PEM located south of I-495 inner loop and south of Cherrywood Lane that abuts Waters 11H.	Common reed	-	-	Yes	Yes
11FF	-	PFO	Wetland 11FF is a PFO located east of the I-495 outer loop and east of the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11BB and Waters 11CC.	Red maple Sweet-gum Common reed	-	-	Yes	Yes
11G	09-L	Intermittent	Waters 11G is an intermittent channel located west of the I-495 inner loop and east of Edmonston Road that originates as a concrete-lined channel and flows south into a culvert under I-495.	-	Silt, sand, concrete, muck Width: 3-10 ft Depth: 4-15 in	Right: forest Left: forest	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
11GG	-	Ephemeral	Waters 11GG is an ephemeral channel located south of the I-495 inner loop and east of 52nd Place that flows southwest into Wetland 11HH.	-	Sand Width: 6 in – 2 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
11H	W62PG	Intermittent	Waters 11H is an intermittent channel located south of the I-495 inner loop and east of Cherrywood Lane that flows northwest from a culvert draining the I-495 median into Wetland 11F.	-	Silt, sand Width: 4 ft Depth: 2-4 in	Right: forest Left: forest	No	Yes
11HH	-	PFO	Wetland 11HH is a PFO located south of the I-495 inner loop and east of 52nd Place that abuts Waters 11GG.	Red maple Small-spike false nettle Dotted smartweed	-	-	Yes	Yes
11I	09-FF	PFO	Wetland 11I is a PFO located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection.	Red maple Green ash Horsebrier Gray's sedge (<i>Carex grayi</i>)	-	-	Yes	Yes
11II	-	PFO	Wetland 11II is a PFO located south of Greenbelt Station Road and the I-495 inner loop within the floodplain of Indian Creek.	Black tupelo Red maple Sweetgum American hornbeam Japanese honeysuckle Northern long sedge (<i>Carex folliculata</i>) Eastern star sedge (<i>Carex radiata</i>) Common blue violet (<i>Viola sororia</i>)	-	-	Yes	Yes
11J	-	Intermittent	Waters 11J is an intermittent channel located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection that flows north into Wetland 11K.	-	Silt, sand Width: 2-6 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
11K	-	PFO	Wetland 11K is a PFO located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection that abuts Waters 11J and Waters 11L.	Red maple Green arrow-arum (<i>Peltandra virginica</i>)	-	-	Yes	Yes
11L	09-AA	Perennial	Waters 11L is a perennial channel, known as Indian Creek, that flows southwest under I-495, north of Cherrywood Lane.	-	Silt, cobble, sand, gravel Width: 40 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
11L_1							Yes	Yes
11L_2							Yes	Yes
11L_3							Yes	Yes
11L_B							Yes	Yes
11L_B1							Yes	Yes
11L_B2							Yes	Yes
11M	09-DD	Intermittent	Waters 11M is an intermittent channel located south of the I-495 inner loop and northwest of Greenbelt Metro Drive that flows southeast from Wetland 11O, underneath the Greenbelt Station ramp to the I-495 outer loop, along Wetland 11N, and into Waters 11L.	-	Silt, muck Width: 3-5 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
11M_1							Yes	Yes
11M_B							Yes	Yes
11N	09-EE	PFO	Wetland 11N is a PFO located south of the I-495 inner loop and southeast of the Greenbelt Station Road/Greenbelt Metro Drive intersection that abuts Waters 11M.	Sweet-gum Slippery elm Silver maple Eastern poison ivy Skunk-cabbage	-	-	Yes	Yes
11O	09-CC	PEM	Wetland 11O is a PEM located south of the I-495 inner loop and northwest of the Greenbelt Station Road/Greenbelt Metro Drive intersection that abuts Waters 11M.	Common reed Narrow-leaf cat-tail Climbing nightshade (<i>Solanum dulcamara</i>)	-	-	Yes	Yes
11P	09-BB	PFO	Wetland 11P is a PFO located south of the I-495 inner loop and north of Greenbelt Metro Drive that abuts Wetland 11O.	Black tupelo Willow oak Green ash	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
11Q	-	PEM	Wetland 11Q is a PEM located north of the I-495 outer loop and northwest of the Rhode Island Avenue/Locust Hill Drive intersection that abuts Waters 11S.	Lamp rush Spotted touch-me-not Broad-leaf cat-tail	-	-	Yes	Yes
11R	W22PG	Perennial	Waters 11R is an intermittent and perennial channel located north of the I-495 outer loop and west of Rhode Island Avenue that flows northeast from a culvert draining a man-made drainage swale, under Locust Hill Drive, and outside of the study area. The portion downstream of its convergence with 11T_C is considered perennial, while the remainder of the feature is intermittent.	-	Silt, cobble, sand, gravel, concrete Width: 2-6 ft Depth: 0-12 in	Right: forest Left: forest	Yes	Yes
11R_1		Perennial					Yes	Yes
11R_2		Perennial					Yes	Yes
11R_C		Perennial					Yes	Yes
11R_D		Intermittent					No	Yes
11S	-	Intermittent	Waters 11S is an intermittent channel located north of the I-495 outer loop that flows east from Sunnyside Park, under a roadway, and into Wetland 11Q.	-	Silt, sand, gravel Width: 3-6 ft Depth: 1-6 in	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
11S_1							Yes	Yes
11S_C							Yes	Yes
11T	-	Perennial	Waters 11T is a perennial channel located south of the I-495 inner loop and west of Rhode Island Avenue that originates at a culvert under I-495 and flows south outside of the study area.	-	Silt, cobble, sand, gravel, concrete Width: 6-15 ft Depth: 3-10 in	Right: hedgerow adjacent to parking lot Left: hedgerow adjacent to Rhode Island Avenue	Yes	Yes
11T_C							Yes	Yes
11U	09-J	PFO	Wetland 11U is a PFO located east of the I-495 outer loop and north of Cherrywood Lane that abuts Waters 11V.	Red maple Swamp white oak (<i>Quercus bicolor</i>) Sweet-gum Japanese stilt grass Japanese honeysuckle Common reed	-	-	Yes	Yes
11V	09-I	Perennial	Waters 11V is a perennial channel located east of the I-495 outer loop and north of Cherrywood Lane that flows northwest into Waters 11L.	-	Cobble, gravel, muck Width: 3-8 ft Depth: 5-15 in	Right: hedgerow Left: forest	Yes	Yes
11W	09-U	PEM	Wetland 11W is a PEM located north of the I-495 outer loop and south of the Washington Metropolitan Area Transit Authority Greenbelt Rail Yard.	Broad-leaf cat-tail	-	-	Yes	Yes
11X	09-V	PEM	Wetland 11X is a PEM located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11Y.	Common reed	-	-	Yes	Yes
11Y	09-W	Intermittent	Waters 11Y is an intermittent channel located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast from Wetland 11X into Wetland 11Z.	-	Silt, sand Width: 2-5 ft Depth: 2-5 in	Right: forest Left: forest	Yes	Yes
11Z	09-X	PFO	Wetland 11Z is a PFO located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11Y and Waters 11AA.	Red maple Slippery elm Sweet-gum Southern arrow-wood Common reed Duck-potato (<i>Sagittaria latifolia</i>) Fringed sedge (<i>Carex crinita</i>)	-	-	Yes	Yes
Subsegment 12								
12A	11-Z	PEM	Wetland 12A is a PEM located in a ditch south of the I-95/I-495 interchange, between the park-and-ride and weigh station.	Common reed Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12AA	11-X	PFO	Wetland 12AA is a PFO located in the I-495 median median and west of the I-95 southbound ramp to the park-and-ride.	Red maple Black tupelo Sweet-bay Highbush blueberry Horsebrier	-	-	Yes	Yes
12AAA	11-II	PEM	Wetland 12AAA is a PEM located north of the I-495 outer loop and south of the ramp from I-95 northbound to the I-495 inner loop and abuts Waters 12BBB.	Reed canary grass	-	-	Yes	Yes
12AAAA	-	Intermittent	Waters 12AAAA is an intermittent channel located west of I-95 south and southwest of Sellman Road that abuts Wetland 12DDDD and flows south into Waters 12YYY.	-	Silt, cobble, sand, gravel, concrete Width: 1-6 ft Depth: 1-8 in	Right: forest Left: forest	Yes	Yes
12B	W43PG	PEM	Wetland 12B is a PEM located south of the I-95/I-495 interchange, northeast of the park-and-ride that abuts Waters 12C.	Purple loosestrife Blunt spike-rush Rice cut grass	-	-	Yes	Yes
12BB	W36PG	PFO	Wetland 12BB is a PFO located in the I-495 median, south of Duncan Road, in the floodplain of Waters 12K.	Red maple Horsebrier Sweet-bay Cinnamon fern	-	-	Yes	Yes
12BBB	11-RR	Intermittent	Waters 12BBB is an intermittent channel located north of the I-495 outer loop and south of the ramp from I-95 northbound to the I-495 inner loop. The feature originates from a culvert under the ramp and flows southeast into Wetland 12AAA.	-	Silt, leaves Width: 3-5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12BBBB	-	PFO	Wetland 12BBBB is a PFO located west of I-95 south and northwest of Edgefield Drive near Paint Branch.	Red maple Rambler rose Japanese-knotweed Japanese honeysuckle Japanese stilt grass	-	-	Yes	Yes
12C	11-QQ	Perennial	Waters 12C is a perennial channel located south of the I-95/I-495 interchange, northeast of the park-and-ride. The feature originates at Wetland 12B and flows north.	-	Sand Width: 2 ft Depth: 4 in	Right: forest, BARC property Left: forest, parking lot	Yes	Yes
12C_C								
12CC	W32PG	PFO	Wetland 12CC is a PFO located in the I-495 median south of Aster Lane.	Red maple Woolgrass Broad-leaf cat-tail	-	-	Yes	Yes
12CCC	W41PG	Perennial	Waters 12CCC is a perennial channel located southeast of the I-95/I-495 interchange, north of Orchard Loop Road that flows east into Paint Branch.	-	Sand, concrete Width: 4 ft Depth: 2-6 in	Right: agricultural area, parking lot Left: forest	Yes	Yes
12CCCC	-	PFO	Wetland 12CCCC is a PFO located west of I-95 south and northwest of Edgefield Drive near Paint Branch.	Red maple American sycamore Lamp rush Japanese stilt grass	-	-	Yes	Yes
12D	11-AA	PFO	Wetland 12D is a PFO located on the west side of the I-495/I-95 park and ride and adjacent to perennial channel 12E.	Red maple Southern arrow-wood	-	-	Yes	Yes
12DD	W31PG	POW	Waters 12DD is a perennial channel/open water pond located in the I-495 median, south of Aster Lane that flows east from Wetland 12CC into Waters 12EE.	-	Muck Width: 100 ft Depth: < 2 ft	Right: mowed grass Left: mowed grass	Yes	Yes
12DDD	W57PG	PEM	Wetland 12DDD is a PEM located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop that abuts Waters 12FFF.	Broad-leaf cat-tail	-	-	Yes	Yes
12DDDD	-	PEM	Wetland 12DDDD is a PEM located west of I-95 south and southwest of Sellman Road, that abuts Waters 12AAAA.	Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12E	W42PG	Perennial	Waters 12E is a perennial channel located south of the I-95/I-495 interchange and west of the weigh station. The feature originates from a pipe under the ramp from I-495 eastbound to I-95 northbound, flows under the ramp to the park-and-ride from the I-495 inner loop, and flows south into Wetland 12D.	-	Mud Width: 3 ft Depth: 2 ft	Right: forest Left: parking lot	Yes	Yes
12E_1							Yes	Yes
12E_C							Yes	Yes
12E_C1							Yes	Yes
12EE	W35PG	Intermittent	Waters 12EE is an intermittent channel located in the I-495 median south of Aster Lane that flows east from a stormwater outfall pipe and south from a culvert under the I-495 outer loop. Waters 12EE_C flows under the I-495 inner loop and into Waters 12III.	-	Cobble, sand, silt, gravel Width: 2 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
12EE_C							Yes	Yes
12EEE	-	PFO	Wetland 12EEE is a PFO located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop.	Red maple Black tupelo Callery pear Twinsisters (<i>Lonicera tatarica</i>) Japanese honeysuckle Green ash Rambler rose Eastern poison ivy	-	-	Yes	Yes
12EEEE	-	Perennial	Waters 12EEEE is a perennial channel located west of I-95 south and southwest of Green Ash Court that flows north into a culvert under I-95.	-	Silt, sand, gravel Width: 2-5 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
12F	W40PG	Perennial	Waters 12F is a perennial channel located south of the I-95/I-495 interchange and north of the weigh station. The feature begins at Waters 12CCC and flows west into Waters 12E.	-	Gravel, cobble, sand Width: 5 ft Depth: 3 ft	Right: forest, shrubs Left: forest, shrubs	Yes	Yes
12F_C							Yes	Yes
12FF	11-LL	PEM	Wetland 12FF is a PEM located in the I-495 median, south of I-95 southbound.	Unknown sedge species Slender spike-rush (<i>Eleocharis tenuis</i>)	-	-	Yes	Yes
12FFF	-	Ephemeral	Waters 12FFF is an ephemeral channel located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop that flows north from Wetland 12DDD to Wetland 12EEE.	-	Silt, sand, gravel Width: 2-3 ft Depth: 1 in	Right: forest Left: forest, mowed ROW	Yes	No
12FFFF	-	POW	Waters 12FFFF is a POW located in the 1-95/495 median west of the Cherry Hill Road overpass, east of Wetland JJ.	-	Silt, sand, muck Width: 35 ft Depth: 100 ft	Right: forest Left: forest	Yes	Yes
12G	W49PG	Intermittent	Waters 12G is an intermittent channel located in the southwest cloverleaf of the I-95/I-495 interchange that flows north into Waters 12H.	-	Cobble, silt, sand, gravel Width: 1-2 ft Depth: < 6 in	Right: forest Left: forest	Yes	Yes
12GG	11-GG	PFO	Wetland 12GG is a PFO wetland located in the I-495 median, south of I-95 southbound.	New York ironweed (<i>Vernonia noveboracensis</i>) Green ash Red maple	-	-	Yes	Yes
12GGG	11-BB	Ephemeral	Waters 12GGG is an ephemeral channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that flows west into Waters 12JJJ.		Silt, sand, gravel, muck Width: 1-2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
12GGGG	-	PFO	Wetland 12GGGG is a PFO located north of I-495 and east of Riggs Road, and south of Wetland 12JJJ.	Red maple Sweet-gum Horsebrier Unknown grass species	-	-	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12H	-	Perennial	Waters 12H is a perennial channel located within the I-95/I-495 interchange, south of the I-495 inner loop that flows east under multiple ramps into Waters 12II.	-	Gravel, cobble, bedrock Width: 5-8 ft Depth: 2 ft	Right: I-495 Left: forest, open field	Yes	Yes
12H_1							Yes	Yes
12H_2							Yes	Yes
12H_3							Yes	Yes
12H_4							Yes	Yes
12H_5							Yes	Yes
12H_B							Yes	Yes
12H_B1							Yes	Yes
12H_C							Yes	Yes
12H_C1							Yes	Yes
12H_C2							Yes	Yes
12HH	11-FF	Perennial	Waters 12HH is a perennial channel located in the I-495 median, south of I-95 southbound that flows east from Waters 12Y and Wetland 12GG into Waters 12II.	-	Silt, sand, cobble Width: 2-4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12HHH	11-CC	Intermittent	Waters 12HHH is an intermittent channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that flows east into Waters 12JJJ.	-	Silt, sand, gravel Width: 2-4 ft Depth: 2-6 in	Right: forest Left: forest	No	Yes
12HHHH	-	Intermittent	Waters 12HHHH is an intermittent channel located east of Wetland 12IIII and north of I-495. Waters 12HHHH drains out of Wetland 12IIII.	-	Silt, sand, muck Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12I	11-V	Intermittent	Waters 12I is an intermittent channel located within the southwest cloverleaf of the I-95/I-495 interchange that flows south into Waters 12H.	-	Silt, sand, gravel Width: 12-16 in Depth: < 6 in	Right: forest Left: forest	Yes	Yes
12II	W30PG	Perennial	Waters 12II is a perennial channel known as Paint Branch located within the I-95/I-495 interchange that flows south through the interchange and outside of the study area.	-	Cobble, gravel Width: 30 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
12II_1							Yes	Yes
12II_2							Yes	Yes
12II_3							Yes	Yes
12II_4							Yes	Yes
12II_5							Yes	Yes
12II_6							Yes	Yes
12II_7							Yes	Yes
12II_8							Yes	Yes
12II_B							Yes	Yes
12II_B1							Yes	Yes
12II_B2							Yes	Yes
12II_B3							Yes	Yes
12II_C							Yes	Yes
12II_C1							Yes	Yes
12II_C2							Yes	Yes
12II_C3							Yes	Yes
12III	-	Intermittent	Waters 12III is an intermittent channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride. The feature flows from Waters 12EE_C east to Waters 12JJJ.	-	Silt, cobble, sand, grave, concrete rubble Width: 3-6 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
12IIII	-	PFO	Wetland 12IIII is a PFO located north of I-495 and drains to the east into Waters 12HHHH.	Black tupelo Red maple Japanese stilt grass Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12J	11-U	PFO	Wetland 12J consists of two unconnected, but similar PFOs located in the southwest cloverleaf of the I-95/I-495 interchange, in the floodplain of Waters 12H.	Red maple Sweet-gum Black tupelo Sweet-bay Highbush blueberry Unknown sedge species Partridge-berry (<i>Mitchella repens</i>) Southern arrow-wood Japanese honeysuckle	-	-	Yes	Yes
12JJ	-	PEM	Wetland 12JJ is a PEM located in in the I-95/495 median west of the Cherry Hill Road overpass that abuts Waters 12KK.	Japanese stilt grass Asiatic tearthumb	-	-	Yes	Yes
12JJJ	W44PG	Perennial	Waters 12JJJ is a perennial channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that originates outside of the study area and flows northeast into Waters 12H.	-	Silt, cobble, sand, gravel Width: 8-12 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
12JJJ_C							Yes	Yes
12JJJJ	-	PFO	Wetland 12JJJJ is a PFO located north of I-495 and east of Riggs Road, and north of Wetland 12GGGG.	Sweet-gum Black tupelo American holly Japanese stilt grass Shallow sedge Horsebrier	-	-	No	Yes
12K	11-T	Perennial	Waters 12K is a perennial channel located in the I-495 median south of Duncan Road that originates at the confluence of Waters 12KKK, 12MMM, and 12NNN and flows southeast through culverts and into Waters 12H.	-	Silt, sand, cobble, gravel Width: 2-6 ft Depth: < 10 in	Right: forest Left: forest	Yes	Yes
12K_1							Yes	Yes
12K_C							Yes	Yes
12KK	11-P	Perennial	Waters 12KK is a perennial channel located in the I-95/495 median west of the Cherry Hill Road overpass that flows southwest into Waters 12II.	-	Gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
12KKK	-	Intermittent	Waters 12KKK is an intermittent channel and ephemeral channel located north of the I-495 outer loop and southwest of the terminus of Duncan Road that flows east through Wetland 12LLL and into Waters 12MMM.	-	Silt, sand, gravel Width: 2-3 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
12KKK_C							Yes	Yes
12KKKK	-	Intermittent	Waters 12KKKK is an intermittent channel located east of Silver Lake Court and north of Wetland 12D.	-	Silt, sand, muck, rip-rap Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
12LL	11-R	Ephemeral	Waters 12LL is an ephemeral channel located in the I-95/495 median west of the Cherry Hill Road overpass.	-	Silt, sand, cobble, gravel Width: 1 ft Depth: 1-5 ft	Right: forest, paved road Left: forest	Yes	No
12LLL	11-G	PFO	Wetland 12LLL is a PFO located north of the I-495 outer loop and southwest of the terminus of Duncan Road that abuts Waters 12KKK.	Red maple Sweet-bay Highbush blueberry Cinnamon fern Royal fern (<i>Osmunda spectabilis</i>) Black tupelo	-	-	Yes	Yes
12LLLL	-	Intermittent	Waters 12LLLL is an intermittent channel located west of the I-495/I-95 park and ride and southwest of Wetland 12D. Waters 12LLLL flows from Wetland 12NNNN and into Wetland 12D.	-	Silt, sand, cobble, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
12M	11-S	Intermittent	Waters 12M is an intermittent channel located in the southwest cloverleaf of the I-95/I-495 interchange that flows east from a stormwater outfall pipe into Waters 12H.	-	Silt, sand, gravel Width: 1-2 ft Depth: 1-3 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12MM	W58PG	Intermittent	Waters 12MM is an intermittent channel located south of the I-495 inner loop and east of Cherry Hill Road that flows east into Wetland 12NN.	-	Silt, sand, gravel, concrete Width: 1-3 ft Depth: 0-6 in	Right: forest Left: forest, roadway	No	Yes
12MMM	-	Ephemeral	Waters 12MMM is an ephemeral channel north of the I-495 outer loop and southwest of the terminus of Duncan Road that flows south to Waters 12KKK.	-	Silt, sand, concrete Width: 1-2 ft Depth: 1 in	Right: forest Left: forest	Yes	No
12MMMM	-	Intermittent	Waters 12MMMM is an intermittent channel located west of the I-495/I-95 park and ride, and north of Wetland 12NNNN and Waters 12LLLL. Waters 12MMMM flows from Wetland 12NNNN into Waters 12LLLL.	-	Silt, sand, gravel Width: 2 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
12N	W50PG	PFO	Wetland 12N is a PFO located in the southwest cloverleaf of the I-95/I-495 interchange.	Skunk-cabbage Cinnamon fern Cut-leaf water-horehound Virginia-creeper Silver maple Japanese stilt grass Greater bladder sedge (<i>Carex intumescens</i>)	-	-	Yes	Yes
12NN	10-A	PFO	Wetland 12NN is a PFO located south of the I-495 inner loop and east of Cherry Hill Road that abuts Waters 12MM.	Red maple Rambler rose Broad-leaf cat-tail Unknown sedge species Reed canary grass Horsebrier Eastern poison ivy	-	-	Yes	Yes
12NNN	-	Intermittent	Waters 12NNN is an intermittent channel located north of the I-495 outer loop and south of the terminus of Duncan Road that flows west into Waters 12KKK.	-	Silt, cobble, sand Width: 2-3 ft Depth: 1-3 in	Right: forest Left: forest	Yes	Yes
12NNNN	-	PFO	Wetland 12NNNN is a PFO located west of the I-495/I-95 park and ride and drains into Waters 12LLLL and Waters 12MMMM.	Black tupelo Red maple Smooth blackhaw Horsebrier Sweet-gum	-	-	Yes	Yes
12O	-	Intermittent	Waters 12O is an intermittent channel located at the foot of a roadway embankment in the I-95/I-495 interchange west of the southwest cloverleaf that flows southeast along Wetland 12Q and into Waters 12H.	-	Silt, sand, muck Width: 1-2 ft Depth: 2-6 in	Right: forest, roadway embankment Left: forest	No	Yes
12O_1							Yes	Yes
12OO	10-D	Perennial	Waters 12OO is a perennial channel known as Little Paint Branch that flows southwest under I-495 east of Cherry Hill Road and west of Baltimore Avenue, then flows outside of the study area.	-	Cobble, gravel Width: 30 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
12OO_1							Yes	Yes
12OO_C							Yes	Yes
12OOO	W52PG	PEM	Wetland 12OOO is a PEM located northeast of the I-95/I-495 interchange and southwest of Yosemite Lane that abuts Waters 12QQQ.	Spotted touch-me-not Allegheny blackberry Fringed sedge	-	-	Yes	Yes
12OOOO	-	PFO	Wetland 12OOOO is a PFO located northwest of the I-495/I-95 park and ride and east of Wetland 12D.	White oak (<i>Quercus alba</i>) Chestnut oak (<i>Quercus montana</i>) Red maple Sweet-gum Black tupelo Horsebrier	-	-	Yes	Yes
12P	-	Intermittent	Waters 12P is an intermittent channel located in the I-95/I-495 interchange west of the southwest cloverleaf that flows southwest into Waters 12H.	-	Silt, sand, muck, leaves Width: 1-3 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12PP	-	Intermittent	Waters 12PP is an intermittent channel located south of the I-495 inner loop and east of Cherry Hill Road that flows southeast into Wetland 12NN.	-	Silt, sand, gravel, clay Width: 1-4 ft Depth: 0-0.1 ft	Right: forest Left: forest	Yes	Yes
12PPP	11-E	Intermittent	Waters 12PPP is an intermittent channel located northeast of the I-95/I-495 interchange and south of Yosemite Lane. The feature flows west into Waters 12QQQ and 12QQQ_C under I-95 northbound.	-	Silt, sand, riprap Width: 2 ft Depth: 2 in	Right: forest Left: logged area, paved road	Yes	Yes
12PPPP	-	PFO	Wetland 12PPPP is a PFO located northwest of I-495/I-95 the park and ride and northeast of Wetland 12Oooo.	Red maple Black tupelo Horsebrier	-	-	Yes	Yes
12Q	W48PG	PFO	Wetland 12Q is a PFO located in the I-95/I-495 interchange west of the southwest cloverleaf that abuts Waters 12O and 12P.	Cinnamon fern Sweet-bay Highbush blueberry Japanese honeysuckle Willow oak Virginia pine	-	-	Yes	Yes
12QQ	-	PFO	Wetland 12QQ is a PFO located south of the I-495 inner loop and east of Cherry Hill Road that abuts Waters 12PP.	Red maple Sweet-gum Skunk-cabbage Shallow sedge Japanese stilt grass	-	-	Yes	Yes
12QQQ	11-D	Intermittent	Waters 12QQQ is an intermittent channel located northeast of the I-95/I-495 interchange and south of Yosemite Lane that originates at Wetland 12Ooo and flows east to converge with Waters 12PPP before flowing into a culvert (12QQQ_C) under I-95.	-	Silt, sand, riprap Width: 1 ft Depth: 1 in	Right: logged area, paved road Left: unmanaged herbaceous area	Yes	Yes
12QQQ_C							Yes	Yes
12R	11-IX	Intermittent	Waters 12R is an intermittent channel located south of I-495 and east of the ramp from the I-495 inner loop to I-95 northbound that flows north into Waters 12H.	-	Silt, sand, concrete Width: 2-4 ft Depth: 0.1 ft	Right: roadway with narrow forest fringe Left: forest	No	Yes
12RRR	W51PG	Perennial	Waters 12RRR is a perennial channel located on the shoulder immediately north of the ramp split between the I-495 outer loop and I-95 northbound. The feature flows south through Waters 12RRR_C and into Waters 12KK.	-	Riprap Width: 3-5 ft Depth: 18 in	Right: forest Left: forest	Yes	Yes
12RRR_C							Yes	Yes
12S	11-H	Intermittent	Waters 12S is an intermittent channel located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound. The feature flows southeast from a concrete pipe under the I-495 outer loop and then south into Waters 12T and 12S_C.	-	Clay, mud Width: 4 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
12S_C							Yes	Yes
12SS	W26PG	PFO	Wetland 12SS is a PFO located north of the I-495 outer loop and east of Cherry Hill Road that abuts Waters 12UUU.	Sweet-gum Spotted touch-me-not Duck-potato Rice cut grass American water-plantain (Alisma subcordatum) Arrow-leaf tearthumb	-	-	Yes	Yes
12SSS	-	PFO	Wetland 12SSS is a PFO located north of the I-495 outer loop and west of Ikea Way that abuts Waters 12TT.	Black willow Reed canary grass Frost grape	-	-	Yes	Yes
12T	-	Intermittent	Waters 12T is an intermittent ditch and channel located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound. The feature is considered a ditch until it abuts Wetland 12U, then flows east into Waters 12S_C.	-	Sand, cobble, gravel Width: 0.5-2 ft Depth: 0.1 ft	Right: roadway Left: forest, wetland	Yes	Yes
12T_D							No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12TT	-	Perennial	Waters 12TT is a perennial channel located north of the I-495 outer loop and east of Cherry Hill Road that flows east into Waters 12OO.	-	Silt, sand, gravel Width: 5-6 ft Depth: 3-10 in	Right: forest, open field Left: forest	Yes	Yes
12TTT	-	PEM	Wetland 12TTT is a PEM located north of I-495 and west of Ikea Way that is surrounded by Wetland 12SSS.	Common reed Reed canary grass	-	-	Yes	Yes
12U	W37PG	PFO	Wetland 12U is a PFO located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound that abuts Waters 12T.	Sweet-gum Red maple Japanese honeysuckle Southern arrow-wood Virginia-creeper Pin oak	-	-	Yes	Yes
12UU	-	PFO	Wetland 12UU is a PFO located north of the I-495 outer loop and west of the I-495 on ramp from US-1.	American sycamore Sweet-gum Shallow sedge	-	-	Yes	Yes
12UUU	10-G	Perennial	Waters 12UUU is a perennial channel located north of the I-495 outer loop and west of Ikea Way that flows east from Wetland 12SS into Waters 12OO.	-	Silt, muck Width: 1-2 ft Depth: 2-8 in	Right: fence, field Left: hedgerow, road	Yes	Yes
12V	11-DD	Perennial	Waters 12V is a perennial channel located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that flows east from Waters 12S_C into Wetland 12W.	-	Gravel, cobble Width: 3 ft Depth: 2 in	Right: forest Left: I-495	Yes	Yes
12VV	-	PFO	Wetland 12VV is a PFO located east of I-95 southbound and north of the ramp from I-95 northbound to the I-495 inner loop.	River birch Tuliptree Shallow sedge Lamp rush Purple loosestrife	-	-	Yes	Yes
12VVV	11-L	Intermittent	Waters 12VVV is an intermittent ditch located in the I-95 median north of the I-495 outer loop park-n-ride exit ramp that flows south into Waters 12II.	-	Silt, sand, gravel Width: 1-3.5 ft Depth: < 1 in – 3 in	Right: forest Left: forest	No	Yes
12W	W39PG	PFO	Wetland 12W is a PFO located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that abuts Waters 12V and Wetland 12X.	Sweet-gum Red maple Japanese honeysuckle	-	-	Yes	Yes
12WW	11-K	Perennial	Waters 12WW is a perennial channel located north of the I-95/I-495 interchange, west of Adirondack Run that flows southwest into Waters 12II.	-	Silt, sand, cobble, gravel, riprap Width: 6-10 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
12WW_1							Yes	Yes
12WW_2							Yes	Yes
12WW_C							Yes	Yes
12WW_C1							Yes	Yes
12WWW	-	Intermittent	Waters 12WWW is an intermittent ditch and channel located east of I-95 north and northwest of Appalachian Trail Road. The feature is considered a ditch from its origin and under I-95 northbound until it reaches the median. The feature then flows west into Waters 12YYY.	-	Cobble, sand, gravel, concrete Width: 3-15 ft Depth: 1 in – 3 in	Right: forest Left: forest	No	Yes
12WWW_1							Yes	Yes
12WWW_C							No	Yes
12X	-	PEM	Wetland 12X is a PEM located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that abuts Wetland 12W and Waters 12Y.	Callery pear Japanese stilt grass Broad-leaf cat-tail	-	-	Yes	Yes
12XX	11-A	Perennial	Waters 12XX is a perennial channel located north of the I-495 outer loop, east of Edgefield Drive that flows east into Waters 12II.	-	Silt, sand, cobble, gravel, bedrock Width: 4-6 ft Depth: < 1 ft	Right: forest Left: forest	Yes	Yes
12XX_1							Yes	Yes
12XX_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12XXX	-	PEM	Wetland 12XXX is a PEM located in the median of I-95, south of Sellman Road, that abuts Waters 12YYY.	Broad-leaf cat-tail	-	-	Yes	Yes
12Y	11-EE	Intermittent	Waters 12Y is an intermittent ditch and channel located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound. The feature is considered a ditch as it flows south until it abuts Wetland 12W, then flows east through Waters 12Y_C into Waters 12HH.	-	Silt, sand Width: 2-4 ft Depth: 1-6 in	Right: forest Left: forest, roadway	Yes	Yes
12Y_C							Yes	Yes
12Y_D							No	Yes
12YY	-	PFO	Wetland 12YY is a PFO located north of the I-495 outer loop and west of I-95 southbound.	Red maple Northern spicebush Green ash Winterberry Japanese honeysuckle Amur peppervine Frost grape	-	-	Yes	Yes
12YYY	-	Perennial	Waters 12YYY is an intermittent channel located in the median of I-95, south of Sellman Road, that flows south from Wetland 12XXX into Waters 12WWW.	-	Silt, cobble, sand, gravel Width: 2-5 ft Depth: 1-6 in	Right: roadway embankment Left: forest	Yes	Yes
12YYY_1							Yes	Yes
12YYY_2							Yes	Yes
12YYY_C							Yes	Yes
12YYY_C1							Yes	Yes
12Z	W38PG	Intermittent	Waters 12Z in an intermittent ditch located in the I-495 median, west of the I-95 southbound ramp to the park-and-ride.	-	Mud, concrete Width: 30 in Depth: 1 in	Right: forest Left: roadway	No	Yes
12Z_C							No	Yes
12ZZ	11-KK	Intermittent	Waters 12ZZ is an intermittent channel located within the I-95/I-495 interchange, west of the I-95 northbound/I-495 westbound split that flows south from the confluence of Waters 12PPP and Waters 12QQQ into Waters 12II.	-	Silt, cobble, gravel, riprap, muck Width: 2-30 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes
12ZZZ	-	PFO	Wetland 12ZZZ is a PFO located west of I-95 south and northeast of the terminus of Edgefield Drive.	American sycamore American hornbeam River birch Red maple Leafy bulrush	-	-	Yes	Yes
Subsegment 13								
13A	W220M	Intermittent	Waters 13A is an intermittent channel located south of I-495 and northwest of Corliss Street that flows southwest outside of the study area.	-	Silt, sand, cobble, gravel, concrete Width: 8-10 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
13B	-	Intermittent	Waters 13B is an intermittent channel located within the southwest cloverleaf of the I-495/New Hampshire Avenue interchange that flows southwest from a culvert into Waters 13C.	-	Sand, cobble, gravel, concrete Width: 2-4 ft Depth: 0-0.1 in	Right: forest Left: grass, ROW	No	Yes
13B_C							No	Yes
13C	-	Intermittent	Waters 13C is an intermittent channel located south of I-495 and north of Muskogee Street. The feature originates from Waters 13B under the I-495 on ramp, flows back under I-495 near 24th Avenue, and into Waters 13Z.	-	Silt, sand, cobble, riprap, gabion baskets Width: 4-6 ft Depth: 0-1 in	Right: forest Left: forest	No	Yes
13C_1							No	Yes
13C_C							No	Yes
13C_C1							No	Yes
13E	-	Ephemeral	Waters 13E is an ephemeral channel located north of I-495 and southeast of Big Rock Road that originates as an erosional headcut at I-495 and flows into Waters 13F.	-	Silt, sand, cobble, gravel Width: 3-4 ft Depth: 1-4 in	Right: forest Left: forest	Yes	No
13F	-	Perennial	Waters 13F is a perennial channel located north of I-495 and east of the terminus of Cherry Tree Lane that originates at a culvert and flows east.	-	Silt, sand, cobble, gravel, bedrock Width: 10-20 ft Depth: 2-24 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
13G	-	Intermittent	Waters 13G is an intermittent channel located north of I-495 and southeast of Big Rock Road that originates at the end of a concrete ditch draining I-495 and flows northeast into Waters 13F.	-	Silt, sand, cobble, gravel, bedrock Width: 2-4 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
13H	W17M	Perennial	Waters 13H is a perennial channel located north of I-495 and southeast of Cherry Tree Lane that flows into Waters 13F.	-	Silt, sand, cobble, gravel, bedrock Width: 2-6 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
13I	-	Ephemeral	Waters 13I is an ephemeral channel located south of I-495 and east of the terminus of East Indian Spring Drive that runs flows southeast from a pipe and through the sub-segment and becomes an intermittent channel before flowing into Waters 13P.	-	Silt, sand, cobble, gravel, bedrock Width: 6 ft Depth: 2 in	Right: forest Left: forest	Yes	No
13I_1		Intermittent					Yes	Yes
13J	-	Intermittent	Waters 13J is a man-made intermittent channel that originates in the northeast cloverleaf of the I-495/US 193 interchange and flows east under the exit ramp from the I-495 outer loop to US 193 and outside of the study area.	-	Silt, sand, gravel, concrete Width: 4 ft Depth: 6-12 in	Right: highway Left: mowed grass	No	Yes
13J_1							No	Yes
13J_2							No	Yes
13J_C							No	Yes
13J_C1							No	Yes
13K	-	Intermittent	Waters 13K is a partially concrete-lined intermittent channel located north of I-495 and west of Cresthaven Drive that originates at a concrete-lined drainage swale and flows west into northwest Branch Anacostia River.	-	Silt, sand, cobble, gravel, concrete Width: 1-2 ft Depth: 2-5 in	Right: forest Left: forest	Yes	Yes
13L	-	Ephemeral	Waters 13L is a partially concrete-lined ephemeral channel located south of I-495 and northwest of the terminus of Oakview Drive that originates at a concrete lined drainage swale and flows west into northwest Branch Anacostia River.	-	Silt, sand, cobble, gravel, concrete Width: 3 ft Depth: 0-2 in	Right: forest Left: forest	Yes	No
13M	W11M	Perennial	Waters 13M is an channel with perennial and intermittent flow located west of the I-495/MD 650 interchange that flows west along the outer loop and then southwest under I-495 and out of the study area.	-	Silt, sand, cobble, gravel Width: 4-8 ft Depth: 6-20 in	Right: forest, I-495 Left: forest, neighborhood	Yes	Yes
13M_1	-	Perennial					Yes	Yes
13M_C	-	Perennial					Yes	Yes
13M_D	-	Intermittent					No	Yes
13N	-	Ephemeral	Waters 13N is an ephemeral channel located south of I-495 and north of East Light Drive that originates at a headcut at a pipe outfall adjacent to the sound wall and flows southeast into Waters 13M.	-	Bedrock, concrete Width: 3-4 ft Depth: 0-1 in	Right: forest, I-495 Left: forest, neighborhood	Yes	No
13O	W218M	Intermittent	Waters 13O is an intermittent channel located south of I-495 and north of Hedin Drive that flows southeast into Water 13M.	-	Silt, sand, cobble, gravel Width: 2-3 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
13P	W15M	Perennial	Waters 13P is northwest Branch Anacostia River, a perennial channel located east of Big Rock Road and McAlpine Road and west of Cresthaven Drive and Oakview Drive that flows south under I-495.	-	Silt, sand, cobble, bedrock Width: 40 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
13P_1							Yes	Yes
13P_B							Yes	Yes
13Q	-	Intermittent	Waters 13Q is an intermittent channel located north of I-495 and south of the intersection of Elton Road and Avenel Gardens Lane that flows east into a culvert under I-495.	-	Concrete Width: 1 ft Depth: 0-0.1 in	Right: forest Left: forest	No	Yes
13Q_C							No	Yes
13R	-	Intermittent	Waters 13R is an intermittent channel located northeast of the I-495/New Hampshire Avenue interchange that flows south from an outfall under Elton Road.	-	Concrete Width: 1 ft Depth: 0.5 in	Right: grass, road Left: grassy hillslope	No	Yes
13R_C							No	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
13S	W8M	Intermittent	Waters 13S is an intermittent channel that originates in the northern cloverleaf of the I-495/New Hampshire Avenue interchange and flows northwest under two ramps and into Waters 13M.	-	Sand, muck Width: 2 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
13S_1							Yes	Yes
13S_C							Yes	Yes
13T	W202M	Intermittent	Waters 13T is an intermittent channel located in the southern cloverleaf of the I-495/New Hampshire Avenue interchange that flows southwest to a stormwater inlet.	-	Muck Width: 6 ft Depth: 0-1 in	Right: forest Left: forest	No	Yes
13T_C							No	Yes
13U		POW	Waters 13U is a POW located north of I-495 and east of Devere Road.	-	Sand, silt, and muck Width: 25-30 ft Depth: Unknown	Right: grass field Left: grass field	Yes	Yes
13X	-	Perennial	Waters 13X is a perennial channel located north of I-495 and east of Devere Road that flows southwest from an outfall under a gravel pathway and into Waters 13Y.	-	Sand, gravel Width: 2-6 ft Depth: 0-12 in	Right: grass Left: grass	Yes	Yes
13X_1							Yes	Yes
13X_C							Yes	Yes
13Y	-	Perennial	Waters 13Y is a perennial channel located north of I-495 and east of Devere Road that flows southeast into Waters 13M and a culvert under I-495.	-	Sand, cobble, gravel Width: 2-8 ft Depth: 0-5 in	Right: forest Left: grass	Yes	Yes
13Z	-	Intermittent	Waters 13Z is an intermittent channel located north of I-495 and south of Elton Road that flows east into a culvert under I-495.	-	Silt, sand, cobble, concrete Width: 3-8 ft Depth: 0.5-2 in	Right: forest Left: forest	No	Yes
Subsegment 14								
14A	W199M	Intermittent	Waters 14A is an intermittent channel located west of the I-495/University Boulevard interchange that flows south through a culvert under I-495 and continues outside the study area.	-	Silt, muck Width: 1-8 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
14A_1							Yes	Yes
14A_C							Yes	Yes
14B	-	Intermittent	Waters 14B is an intermittent channel located north of the I-495 outer loop and west of University Boulevard that originates at a culvert outfall and drains south into Wetland 14D.	-	Silt, sand, gravel Width: 1-3 ft Depth: 4-6 in	Right: mowed grass Left: mowed grass	Yes	Yes
14C	10-C	PEM	Wetland 14C is PEM located south of the I-495 inner loop and east of Colesville Road.	Broad-leaf cat-tail	-	-	Yes	Yes
14D	-	PSS	Wetland 14D is a PSS located north of the I-495 outer loop and west of University Boulevard that abuts Waters 14A and Waters 14B.	Black willow Common button bush (<i>Cephalanthus occidentalis</i>) Broad-leaf cat-tail	-	-	Yes	Yes
14E	-	Perennial	Waters 14E is a perennial channel that originates north of the I-495 outer loop and east of Colesville Road that flows through a culvert under I-495 and continues south beyond the study area.	-	Silt, concrete, muck Width: 4-6 ft Depth: 1-10 in	Right: forest Left: forest	Yes	Yes
14E_C							Yes	Yes
14E_C1							Yes	Yes
14E_D							Yes	Yes
14F	W28M	PEM	Wetland 14F is a PEM located within the northwest cloverleaf of the I-495/Colesville Road interchange.	Broad-leaf cat-tail Marsh primrose-willow Climbing nightshade	-	-	Yes	Yes
14G	W246M	Intermittent	Waters 14G is an intermittent channel that originates at a culvert north of the I-495 outer loop and east of Sligo Creek Parkway that flows through a culvert under I-495 and continues south outside the study area.	-	Silt, sand, cobble, gravel, concrete, riprap Width: 2-11 ft Depth: 2-10 in	Right: mowed grass Left: mowed grass	Yes	Yes
14G_1							Yes	Yes
14G_C							Yes	Yes
14I	-	PFO	Wetland 14I consists of two PFO areas located south of the I-495 inner loop and north of Fairway Avenue that abut Waters 14E and Waters 14J.	Pin oak Silver maple American elm Southern catalpa (<i>Catalpa bignonioides</i>) Southern crabapple (<i>Malus angustifolia</i>) Swamp smartweed Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
14J	-	Intermittent	Waters 14J is an intermittent channel located south of the I-495 inner loop and north of Fairway Avenue that originates within Wetland 14I and flows south into Waters 14E.	-	Silt, sand, muck Width: 1-3 ft Depth: 1-4 in	Right: forest Left: forest	Yes	Yes
14K	-	PFO	Wetland 14K is a PFO located south of the I-495inner loop, east of University Boulevard, and north of East Granville Drive.	Pin oak northern red oak (<i>Quercus rubra</i>) Straw-colored flatsedge Amur peppervine	-	-	Yes	Yes
Subsegment 15								
15A	-	Intermittent	Waters 15A is an intermittent channel located north of the I-495 outer loop and east of Georgia Avenue that flows east into a culvert under I-495.	-	Silt, cobble, sand, gravel, concrete, muck, riprap Width: 3-15 ft Depth: 1-10 in	Right: forest Left: forest	Yes	Yes
15A_C							Yes	Yes
15B	-	Intermittent	Waters 15B is an intermittent channel located north of the I-495 outer loop and east of Georgia Avenue that originates at a culvert outfall and flows south into Waters 15A.	-	Silt, cobble, sand, gravel, muck, riprap Width: 3-10 ft Depth: 1-12 in	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
15C	-	Intermittent	Waters 15C is an intermittent channel located north of the I-495 outer loop and west of Sligo Creek Parkway that flows southwest from a culvert under I-495 into Waters 15D.	-	Silt, sand, muck Width: 4-8 ft Depth: 1-10 in	Right: forest Left: forest	No	Yes
15D	-	Perennial	Waters 15D is a perennial channel known as Sligo Creek that flows under I-495, west of Sligo Creek Parkway.	-	Silt, cobble, sand, gravel, riprap Width: 20-30 ft Depth: 4-15 in	Right: forest Left: forest	Yes	Yes
15D_1							Yes	Yes
15D_C							Yes	Yes
15E	-	Ephemeral	Waters 15E is an ephemeral channel located north of the I-495 outer loop and west of Sligo Creek Parkway that originates at a culvert outfall and drains east into Waters 15D.	-	Silt, sand, gravel Width: 4-5 ft Depth: 2-5 in	Right: forest Left: forest	Yes	No
15F	-	Intermittent	Waters 15F is an intermittent channel located east of Holy Cross Hospital and south of Forest Glen Road, just west of Silgo Creek Trail.	-	Silt, sand, cobble Width: 5 ft Depth: 1 ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
Subsegment 16								
16A	-	Perennial	Waters 16A is a perennial channel known as Forest Glen Creek located west of Linden Lane that flows southwest under I-495 and into Waters 19K. Waters 16A flows through subsegments 16 and 17.	-	Silt, cobble, bedrock, sand, gravel Width: 20-30 ft Depth: 4 in – 1 ft	Right: forest Left: forest	Yes	Yes
16A_1							Yes	Yes
16A_2							Yes	Yes
16A_C							Yes	Yes
16A_C1							Yes	Yes
16A_C2							Yes	Yes
16B	-	Intermittent	Waters 16B is an intermittent channel located north of the I-495 outer loop and west of Linden Lane that flows south from a small drainage pipe into Waters 16A.	-	Silt, muck Width: 1-2 ft Depth: 1 in	Right: forest Left: forest	Yes	Yes
16C	-	Perennial	Waters 16C is a perennial channel located north of the I-495 outer loop and west of Linden Lane that flows south from a culvert outfall into Waters 16A.	-	Silt, cobble, bedrock, sand, gravel, riprap Width: 8-10 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
16D	-	Intermittent	Waters 16D is an intermittent channel that originates at a culvert outfall southeast of Hill Street and flows south through a culvert under I-495 into Waters 16A.	-	Silt, concrete Width: 2 ft Depth: 1 in	Right: forest Left: forest	No	Yes
16D_C							No	Yes
16E	-	Intermittent	Waters 16E is an intermittent channel located south of the I-495 inner loop that receives runoff from a culvert under I-495 and flows west into a culvert just north of Westview Drive.	-	Silt, sand, muck Width: 5-8 ft Depth: 2-6 in	Right: forest Left: forest, mowed lawn	Yes	Yes
16E_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
16F	-	Ephemeral	Waters 16F is an ephemeral channel located south of the I-495 inner lop and east of Seminary Road that originates at a broken concrete channel and drains north into Waters 16G.	-	Silt, cobble, sand, gravel Width: 6-10 ft Depth: 1-3 in	Right: forest Left: forest	Yes	No
16G	-	Perennial	Waters 16G is a perennial channel located south of the I-495 inner loop that flows west through a culvert under Seminary Road and the CSX railway tracks and into Waters 16A.	-	Silt, cobble, bedrock, sand, gravel, concrete, riprap Width: 5-20 ft Depth: 1-24 in	Right: forest Left: forest	Yes	Yes
16G_1							Yes	Yes
16G_B							Yes	Yes
16G_C							Yes	Yes
16G_C1							Yes	Yes
16G_D							Yes	Yes
16G_D1							Yes	Yes
16H	-	PEM	Wetland 16H is a PEM located northwest of the I-495/MD 97 interchange.	Broad-leaf cat-tail Mild water-pepper Spotted lady's-thumb (<i>Persicaria maculosa</i>)	-	-	Yes	Yes
16I	-	Perennial	Waters 16I is a perennial channel located south of the I-495 inner loop and east of Linden Lane that flows north into Waters 16G.	-	Silt, cobble, bedrock, sand, gravel Width: 4-12 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
16J	-	Ephemeral	Waters 16J is an ephemeral channel located south of the I-495 inner loop that originates at a culvert outfall and drains west under Linden Lane into Waters 16G.	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 1-8 in	Right: forest Left: forest	Yes	No
16J_1							Yes	No
16J_B							Yes	No
16K	-	Ephemeral	Waters 16K is an ephemeral channel located south of the I-495 inner loop and north of Newcastle Avenue that drains north into Waters 16G.	-	Silt, sand, cobble, gravel, bedrock Width: 3-5 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
16L	-	PFO	Wetland 16L is a PFO located south of I-495 and north of Newcastle Avenue adjacent to Waters 16G.	Ash-leaf maple American elm Green ash Amur peppervine	-	-	Yes	Yes
Subsegment 17								
17A	07-B	PEM	Wetland 17A is a PEM located north of the I-495 outer loop exit ramp to MD 185.	Broad-leaf cat-tail Seaside club-rush (<i>Schoenoplectus robustus</i>)	-	-	Yes	Yes
17AA	-	PFO	Wetland 17AA is a PFO located south of the I-495 inner loop, west of Park View Road that abuts Waters 17BB.	Ash-leaf maple Swamp smartweed Green ash	-	-	Yes	Yes
17B	07-C	Ephemeral	Waters 17B is an ephemeral channel located north of the I-495 outer loop exit ramp to MD 185 that originates at a culvert and flows north into Waters 19K.	-	Silt, sand Width: 2-4 ft Width: 9 in	Right: forest Left: forest	Yes	No
17BB	-	Intermittent	Waters 17BB is an intermittent channel located south of the I-495 inner loop and north of Glenmoor Drive that flows north from a culvert into another culvert under I-495.	-	Silt, sand, gravel, cobble Width: 5-10 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
17BB_C							Yes	Yes
17C	-	Intermittent	Waters 17C is an intermittent channel located west of the I-495 outer loop and east of Beach Drive that flows from a potential wetland outside of the study area into Waters 19K.	-	Silt, clay Width: 2.5-5 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
17CC	-	PFO	Wetland 17CC is a PFO located south of the I-495 inner loop and north of Glenmoor Drive, adjacent to Waters 17BB.	Red maple northern red oak Mockernut hickory (<i>Carya tomentosa</i>) Ash-leaf maple Smooth blackhaw Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
17D	-	Perennial	Waters 17D is a perennial channel located west of the I-495 outer loop and east of Beach Drive that flows from a large PFO wetland outside of study area into Waters 19K.	-	Silt, sand, riprap Width: 6 ft Depth: 2-4 in	Right: forest Left: forest	Yes	Yes
17DD	-	Intermittent	Waters 17DD is an intermittent channel located south of the I-495 inner loop and north of Glenmoor Drive that flows northeast from a spring seep into a culvert under I-495.	-	Silt, sand, gravel, cobble Width: 3-5 ft Depth: 2-3 in	Right: forest Left: forest	Yes	Yes
17DD_C							Yes	Yes
17E	-	PFO	Wetland 17E is a PFO located west of I-495 and east of Beach Drive.	Ash-leaf maple Green ash Northern spicebush Creeping-jenny (<i>Lysimachia nummularia</i>) Bristly lady's thumb	-	-	Yes	Yes
17F	-	Perennial	Waters 17F is a perennial channel located west of I-495 and south of the intersection of Beach Drive and Stoneybrook Drive that flows southwest from a culvert into Waters 19K.	-	Silt, sand, muck Width: 5-10 ft Depth: 4-15 in	Right: hedgerow Left: hedgerow	Yes	Yes
17FF	-	PFO	Wetland 17FF is a PFO located west of the I-495 outer loop and south of the intersection of Beach Drive and Stoneybrook Drive, that abuts Wetland 17K.	Red maple Ash-leaf maple American elm Creeping-jenny	-	-	Yes	Yes
17GG	-	PFO	Wetland 17GG is a PFO located north of the I-495 outer loop exit ramp to MD 185.	White willow (<i>Salix alba</i>) American sycamore Green ash Common reed Amur peppervine Winter creeper	-	-	No	Yes
17K	-	PFO	Wetland 17K is a PFO located west of the I-495 outer loop and south of the intersection of Beach Drive and Stoneybrook Drive that abuts Wetland 17FF.	Ash-leaf maple Red maple Green ash American sycamore Duck-potato	-	-	Yes	Yes
17L	-	PFO	Wetland 17L is a PFO located west of the I-495 outer loop and east of Beach Drive that abuts Wetland 17M.	Mild water-pepper Creeping-jenny Fringed sedge	-	-	Yes	Yes
17M	-	PFO	Wetland 17M is a PFO located west of the I-495 outer loop and east of Beach Drive that abuts Wetland 17L.	Ash-leaf maple American sycamore Creeping-jenny	-	-	Yes	Yes
17N	-	Ephemeral	Waters 17N is an ephemeral channel located north of the I-495 outer loop and south of Beach Drive that flows south from outside of the study area into Waters 19K.	-	Silt Width: 1-3 ft Depth: 3-5 in	Right: forest Left: forest	Yes	No
17O	-	PFO	Wetland 17O is a PFO located north of the I-495 outer loop and south of Beach Drive.	Ash-leaf maple Japanese stilt grass	-	-	Yes	Yes
17Q	-	Ephemeral	Waters 17Q is an ephemeral channel located north of the I-495 outer loop and southeast of Beach Drive that flows southeast from a culvert into Waters 19K.	-	Silt Width:1-2 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No
17R	-	Ephemeral	Waters 17R is an ephemeral channel located north of the I-495 outer loop that flows north from a culvert into Waters 19K.	-	Silt, riprap Width: 1-3 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
17S	W57M	PFO	Wetland 17S is a PFO wetland located northwest of the I-495 outer loop and south of Beach Drive in the floodplain of Waters 19K.	Ash-leaf maple Sensitive fern Rambler rose Northern spicebush Creeping-jenny Japanese stilt grass American hornbeam Small-spike false nettle Eastern poison ivy Mild water-pepper	-	-	Yes	Yes
17T	-	PEM	Wetland 17T is a PEM located east of the I-495 inner loop and west of Jones Mill Road, adjacent to Waters 16A and Waters 19K.	Japanese stilt grass Small carp grass (<i>Arthraxon hispidus</i>)	-	-	Yes	Yes
17U	W61M	PFO	Wetland 17U is a PFO located northeast of the I-495 outer loop exit ramp to MD 185.	Skunk-cabbage Northern spicebush Red maple Canadian clearweed (<i>Pilea pumila</i>) Royal fern Unknown willow species (<i>Salix</i> sp.) Small-spike false nettle American sycamore Ash-leaf maple Green arrow-arum Halberd-leaf tearthumb Rice cut grass	-	-	Yes	Yes
17V	-	PFO	Wetland 17V is a PFO located south of the I-495 inner loop and west of Jones Mill Road that abuts Waters 17W and Waters 17Z.	Ash-leaf maple Common duckweed (<i>Lemna minor</i>)	-	-	Yes	Yes
17W	-	Ephemeral	Waters 17W is an ephemeral channel located east of the I-495 inner loop and west of Jones Mill Road that flows northeast from Wetland 17V into Waters 19K.	-	Silt Width: 1 ft Depth: 2-3 in	Right: forest Left: forest	Yes	No
17X	-	PFO	Wetland 17X is a PFO located north of the I-495 outer loop and east of Kensington Parkway.	Red maple Green arrow-arum Japanese stilt grass Amur peppervine	-	-	Yes	Yes
17Y	-	Intermittent	Waters 17Y is an intermittent channel located north of the I-495 outer loop exit ramp to MD 185 that flows north from a culvert under I-495 into Waters 19K.	-	Silt, sand, gravel, cobble Width: 6-8 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes
17Z	-	Ephemeral	Waters 17Z is an ephemeral channel located south of the I-495 inner loop and north of Park View Road that flows northeast from a culvert under I-495 into Wetland 17V.	-	Silt, sand, cobble, riprap Width: 3-10 ft Depth: 2-5 in	Right: forest Left: forest	Yes	No
Subsegment 18								
18A	W67M	Intermittent	Waters 18A is an intermittent channel located northwest of the I-495/MD 185 interchange that originates at a culvert under I-495 and flows north into Waters 19K.	-	Silt, cobble, sand, gravel Width: 4-8 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
18B	W167M	Ephemeral	Waters 18B is an ephemeral channel located southwest of the I-495/MD 185 interchange that flows north through a culvert under I-495 and into Waters 18A.	-	Silt, cobble, gravel, muck Width: 4 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No
18B_C							Yes	No
18C	-	Perennial	Waters 18C is a perennial channel located west of Connecticut Avenue that flows northeast from outside of the study area, under I-495, and into Waters 19K.	-	Silt, cobble, sand, gravel, riprap Width: 10-30 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
18C_1							Yes	Yes
18C_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
18D	-	Perennial	Waters 18D is a perennial channel located north of the I-495 outer loop and east of Cedar Lane that flows south under Beach Drive into Waters 19K.	-	Silt, cobble, sand, gravel, concrete rubble Width: 5-8 ft Depth: 2 in	Right: hedgerow, mowed grass Left: forest	Yes	Yes
18D_1							Yes	Yes
18D_2							Yes	Yes
18D_C							Yes	Yes
18D_C1							Yes	Yes
18F	07-D	PFO	Wetland 18F is a PFO located northwest of the I-495/Connecticut Avenue interchange.	Ash-leaf maple Green ash Morrow's honeysuckle Northern spicebush Small-spike false nettle Asian bittersweet	-	-	Yes	Yes
18G	-	Intermittent	Waters 18G is an intermittent channel located southwest of the I-495/Connecticut Avenue interchange that originates at a culvert outside of the study area and flows north into a culvert under I-495 and into Waters 19K.	-	Silt, cobble, sand, gravel, riprap Width: 5-12 ft Depth: 3-12 in	Right: meadow, forest Left: meadow, forest	Yes	Yes
18G_C							Yes	Yes
18G_D							Yes	Yes
18H	-	PFO	Wetland 18H is a PFO located north of the I-495 outer loop and west of Connecticut Avenue.	Ash-leaf maple American sycamore Small-spike false nettle Green ash Northern spicebush Eastern poison ivy	-	-	Yes	Yes
18I	W65M	Perennial	Waters 18I is a perennial channel located northeast of the I-495 outer loop and east of Cedar Lane that flows northeast from a culvert under I-495 into Waters 19K outside of the study area.	-	Silt, sand, gravel Width: 8-10 ft Depth: 0 in – 1 ft	Right: forest Left: forest	Yes	Yes
18J	-	Ephemeral	Waters 18J is an ephemeral channel located northeast of the I-495 outer loop and east of Cedar Lane that flows southeast from Wetland 18K into Waters 18I.	-	Silt, sand, muck Width: 2-4 ft Depth: 0 in	Right: forest Left: forest	Yes	No
18K	-	PFO	Wetland 18K is a PFO located northeast of the I-495 outer loop and east of Cedar Lane that abuts Waters 18J.	Ash-leaf maple American sycamore Small-spike false nettle Japanese stilt grass White grass	-	-	Yes	Yes
18L	-	PFO	Wetland 18L is a PFO located northeast of the I-495 outer loop, south of Beach Drive, and west of Connecticut Avenue.	Ash-leaf maple Northern spicebush Amur peppervine	-	-	Yes	Yes
18M	-	PFO	Wetland 18M is a PFO located northeast of the I-495 outer loop and east of Cedar Lane.	Ash-leaf maple Morrow's honeysuckle Eastern cottonwood (<i>Populus deltoides</i>) Green ash Dotted smartweed Rambler rose Eastern poison ivy Lamp rush Canadian clearweed Unknown grape species Scarlet beebalm (<i>Monarda didyma</i>) Asparagus (<i>Asparagus officinalis</i>) nodding burr-marigold (<i>Bidens cernua</i>) Silver maple	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
18X	-	Perennial	Waters 18X is a perennial channel located northeast of the I-495 outer loop and east of Cedar Lane that flows northeast into Waters 19K.	-	Silt, sand, muck Width: 3-4 ft Depth: 1 in – 1 ft	Right: forest Left: forest	Yes	Yes
Subsegment 19								
19A	-	Intermittent	Waters 19A is an intermittent channel located west of the ramp from Rockville Pike to I-270 northbound that flows south into a 36-inch concrete pipe.	-	Silt, sand Width: 3-5 ft Depth: 2 in	Right: hedgerow Left: hedgerow	No	Yes
19A_C	-						No	Yes
19B	W81M	Intermittent	Waters 19B is an intermittent channel located west of the I-495/I-270 interchange that flows south from outside of the study area, through a 24-inch diameter culvert under the I-495 outer loop, and into Waters 19F.	-	Silt, sand, gravel, muck Width: 2-3 ft Depth: 5-8 in	Right: forest Left: forest	Yes	Yes
19B_C							Yes	Yes
19C	W78M	Perennial	Waters 19C is a perennial channel located west of the I-495/I-270 interchange that flows southeast from outside the study area, through a culvert under the I-495 outer loop, and into Waters 19F.	-	Silt, sand, cobble, gravel Width: 15 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
19C_C							Yes	Yes
19D	W80M	PFO	Wetland 19D is a PFO located west of the I-495/I-270 interchange, adjacent to Waters 19C.	Tuliptree Red maple Northern spicebush	-	-	Yes	Yes
19E	-	Intermittent	Waters 19E is an intermittent channel located within the I-495 median, west of Rockville Pike that flows northeast into Waters 19F.	-	Concrete Width: 3 ft Depth: 2 in	Right: hedgerow Left: hedgerow	No	Yes
19F	W162M	Perennial	Waters 19F is a perennial channel located west of the I-495/I-270 interchange that originates at a culvert in the I-495 median and flows southeast through another culvert under the I-495 inner loop and out of the study area.	-	Sand, cobble, gravel Width: 2-3 ft Depth: 0.5-2 ft	Right: forest Left: forest	Yes	Yes
19F_1	W162M						Yes	Yes
19F_2	W162M						Yes	Yes
19F_3	-						Yes	Yes
19F_4	-						Yes	Yes
19F_C	W162M						Yes	Yes
19F_C1	W162M						Yes	Yes
19F_C2	-						Yes	Yes
19G	-	Intermittent	Waters 19G is an intermittent channel located within the I-495 median, west of Rockville Pike that flows south from a culvert under the I-495 outer loop into Waters 19F.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
19J	W157M	Perennial	Waters 19J is a perennial channel located east of the I-495/MD 187 interchange that flows northeast into a culvert under I-495 and out of the study area.	-	Silt, sand, gravel, muck Width: 3-15 ft Depth: 2-12 in	Right: forest, shrubs Left: forest, dense bamboo	Yes	Yes
19J_1							Yes	Yes
19J_2							Yes	Yes
19J_C							Yes	Yes
19J_C1							Yes	Yes
19K	-	Perennial	Waters 19K is a perennial channel known as Rock Creek located north of and parallel to the I-495 outer loop that flows into the Potomac River.	-	Silt, sand, cobble, gravel, muck, concrete Width: 20-40 ft Depth: 0.5-6 ft	Right: forest Left: forest	Yes	Yes
19K_1							Yes	Yes
19K_2							Yes	Yes
19K_3							Yes	Yes
19K_4							Yes	Yes
19K_5							Yes	Yes
19K_6							Yes	Yes
19K_7							Yes	Yes
19K_8							Yes	Yes
19K_B							Yes	Yes
19K_B1							Yes	Yes
19K_B2							Yes	Yes
19M	-	PFO	Wetland 19M is a PFO located north of the I-495 outer loop, west of Cedar Lane in the floodplain of Waters 19K.	Ash-leaf maple Silver maple Small-spike false nettle Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
19N	-	Perennial	Waters 19N is a perennial channel located east of Rockville Pike that flows southeast under Beach Drive into Waters 19K.	-	Silt, cobble, sand, gravel Width: 15 ft Depth: 6-12 in	Right: mowed grass, shrubs Left: forest	Yes	Yes
19O	-	PFO	Wetland 19O is a PFO located east of the Rockville Pike exit ramp to Grosvenor Lane that abuts Waters 19X.	Ash-leaf maple Japanese stilt grass Sweet wood-reed	-	-	Yes	Yes
19Q	-	PFO	Wetland 19Q is PFO located east of the Rockville Pike on-ramp from the I-495 outer loop.	Red maple American elm Small-spike false nettle Japanese stilt grass Sweet wood-reed	-	-	Yes	Yes
19R	-	Intermittent	Waters 19R is an intermittent channel located north of the Rockville Pike on-ramp from the I-495 outer loop that flows southeast from Wetland 19Q into Waters 19K.	-	Silt, sand, muck Width: 2-15 ft Depth: 1 in – 2 ft	Right: forest Left: forest	Yes	Yes
19R_1							Yes	Yes
19S	W75M	PFO	Wetland 19S is a PFO located east of the I-495/Rockville Pike interchange that abuts Waters 19R.	American elm Pin oak Green ash Rambler rose Japanese stilt grass Rice cut grass Japanese honeysuckle	-	-	Yes	Yes
19T	-	Perennial	Waters 19T is a perennial channel located east of Bellevue Drive that flows northeast under I-495 and into Waters 19K.	-	Silt, sand, gravel, muck, riprap Width: 12 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
19T_1							Yes	Yes
19T_C							Yes	Yes
19U	-	PFO	Wetland 19U is a PFO located east of the I-495 outer loop, northwest of Cedar Lane.	Ash-leaf maple American sycamore Northern spicebush Green ash	-	-	Yes	Yes
19V	-	Perennial	Waters 19V is a perennial channel located south of the I-495 inner loop, west of Cedar Lane that flows northeast into Rock Creek.	-	Sand, cobble, gravel, concrete Width: 10-16 ft Depth: 0.1-2 ft	Right: forest Left: forest	Yes	Yes
19V_C							Yes	Yes
19W	-	PFO	Wetland 19W is a PFO located south of the I-495 inner loop, east of the onramp from Rockville Pike.	River birch Green ash Unknown elm species (<i>Ulmus</i> sp.) Japanese stilt grass	-	-	Yes	Yes
19X	-	Ephemeral	Waters 19X is an ephemeral channel located east of the Rockville Pike northbound exit ramp to Grosvenor Lane that flows east into Wetland 19O.	-	Silt, sand, gravel Width: 3 ft Depth: 0-1 in	Right: forest Left: forest	Yes	No
19Y	-	PEM	Wetland 19Y is a PEM that is in line with Waters 19R located east of the I-95/Rockville Pike interchange and abuts Wetland S.	Pickerelweed (<i>Pontederia cordata</i>) Shallow sedge	-	-	Yes	Yes
Subsegment 20								
20B	-	Intermittent	Waters 20B is an intermittent channel located south of the I-495 inner loop that originates at a 2-foot culvert under I-495 and flows southwest out of the study area through another 2-foot pipe.	-	Silt, cobble, gravel, riprap Width: 5 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
20C	-	Perennial	Waters 20C is a perennial channel located south of the I-495 inner loop and east of Greentree Road that flows south through a 4-foot culvert and converges with Waters 20D.	-	Silt, cobble, sand, gravel Width: 1-3 ft Depth: 6 in	Right: Scrub-shrub Left: Scrub-shrub	Yes	Yes
20D	-	Perennial	Waters 20D is a perennial channel located south of I-495 and east of Greentree Road that flows north from outside of the study area and converges with Waters 20C at a 4-foot culvert.	-	Silt, sand, gravel, concrete Width: 5 ft Depth: 6 in	Right: hedgerow Left: hedgerow	Yes	Yes
20D_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
20E	-	Intermittent	Waters 20E is an intermittent channel located south of the I-495 inner loop and north of Newbold Drive that flows south from a culvert under I-495 into a 2-foot pipe.	-	Silt, sand, gravel, riprap Width: 3 ft Depth: 2 ft	Right: bamboo hedgerow Left: bamboo hedgerow	Yes	Yes
Subsegment 21								
21B	W148M	Perennial	Waters 21B is a perennial channel located east of the I-495 inner loop and west of Longwood Drive that flows west under I-495 into Waters 21J. Waters 21B flows through subsegments 20 and 21.	-	Mud Width: 6 ft Depth: Unknown	Right: forest Left: forest	Yes	Yes
21B_C							Yes	Yes
21C	W103M	Perennial	See Waters 23A .				Yes	Yes
21C_1	W142M						Yes	Yes
21C_2	W109M						Yes	Yes
21C_C	W142M						Yes	Yes
21C_C1	W142M						Yes	Yes
21C_C2	W109M						Yes	Yes
21D	-	Intermittent	Waters 21D is an intermittent channel that originates in the northeast cloverleaf of the MD 19no/I-495 interchange and flows through a 3-foot pipe under I-495 in the northwest cloverleaf of the same interchange, under a ramp, and into Waters 21C.	-	Concrete, silt, sand Width: 1-3 ft Depth: 6 in	Right: scrub-shrub and meadow grasses Left: hedgerow and scrub-shrub	No	Yes
21D_1	W110M (downstream)						No	Yes
21D_C	-						No	Yes
21D_C1	W110M (downstream)						No	Yes
21F	-	Intermittent	Waters 21F is an intermittent channel that originates east of I-495 south of the terminus of Cindy Lane and flows southeast under I-495 into Waters 21C.	-	Silt, sand, cobble, gravel, riprap Width: 5-8 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
21F_C							Yes	Yes
21G	-	Intermittent	Waters 21G is an intermittent channel located east of the I-495 inner loop, north of the MD 19no/I-495 interchange that flows west into Waters 21C.	-	Silt, concrete, riprap Width: 2-5 ft Depth: 3 in	Right: forest Left: forest	No	Yes
21H	-	Ephemeral	Waters 21H is an ephemeral channel located east of the I-495 inner loop and southwest of the terminus of Arrowood Road that flows west into Waters 21C.	-	Silt, cobble, gravel, concrete Width: 4 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	No
21I	-	Perennial	Waters 21I is a perennial channel located northwest of the I-495/I-270 split that flows west into Waters 21C. Channel substrate consists of silt, sand, and gravel.	-	Silt, sand, gravel Width: 5-7 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
21J	-	Perennial	Waters 21J is a perennial channel located west of the I-495 outer loop and north of MD 191 that flows west into Waters 21C.	-	Silt, sand, gravel, riprap Width: 10-20 ft Depth: 2-6 in	Right: hedgerow Left: hedgerow	Yes	Yes
21K	-	Intermittent	Waters 21K is an intermittent channel located west of the I-495 outer loop and north of MD 191 that flows west into Waters 21C.	-	Silt, sand, cobble, gravel, placed stone Width: 1-12 ft Depth: 0.5-1.5 ft	Right: hedgerow Left: hedgerow	Yes	Yes
21L_C	-	Perennial	Waters 21L is a perennial channel that originates east of the I-495 inner loop southwest of Kittery Lane and flows west under I -495 and into Waters 21C.	-	Silt, sand, cobble, gravel, riprap Width: 4-6 ft Depth: 1-8 in	Right: herbaceous vegetation Left: herbaceous vegetation	Yes	Yes
21L_D							Yes	Yes
21L_D1							Yes	Yes
21M	-	Intermittent	Waters 21M is an intermittent channel located west of the I-495 outer loop and east of Groton Road that flows east into Waters 21C.	-	Concrete Width: 1-4 ft Depth: 0.5 in	Right: hedgerow Left: hedgerow	No	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
21P	-	PFO	Wetland 21P a PFO located east of the I-495 inner loop and west of the terminus of Arrowood Court in the floodplain of Waters 21C.	Red maple Northern spicebush Sweet wood-reed Green ash River-bank grape	-	-	Yes	Yes
21Q	-	PFO	Wetland 21Q is a PFO located east of the I-495 inner loop and southwest of the terminus of Arrowood Court in the floodplain of Waters 21C.	American elm Red maple Northern spicebush Lizard's-tail	-	-	Yes	Yes
21R	-	Ephemeral	Waters 21R is an ephemeral channel located east of the I-495 inner loop and southwest of the terminus of Arrowood Road that drains uplands and flows west into Waters 21H.	-	Silt, cobble, gravel Width: 3-8 ft Depth: 4-8 in	Right: forest Left: forest	Yes	No
21T	-	PFO	Wetland 21T is a PFO located east of the I-495 inner loop and northwest of the terminus of Arrowood Court on a terrace in the floodplain of Waters 21C.	American sycamore Red maple Bristly lady's-thumb Winter creeper Curly dock (<i>Rumex crispus</i>) Japanese stilt grass	-	-	Yes	Yes
21U	-	Perennial	Waters 21U is a perennial channel located east of the I-495 inner loop and west of Armat Drive that flows west from a culvert into Waters 21B.	-	Silt, sand, cobble, gravel, riprap Width: 5-15 ft Depth: 3-6 in	Right: forest Left: forest	Yes	Yes
21V	-	Ephemeral	Waters 21V is an ephemeral channel located west of the I-495 outer loop and north of Bradley Boulevard that flows east from outside of the study area into Waters 21C.	-	Silt, sand, cobble, gravel Width: 4-6 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
Subsegment 22								
22A	-	Intermittent	Waters 22A is an intermittent channel located within the southwest cloverleaf of the MD 19no/I-495 interchange that flows south through a 3-foot concrete pipe into Waters 22C.	-	Concrete Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22A_C							No	Yes
22AA	W111M	Perennial	Waters 22AA is a perennial channel known as Cabin John Creek that flows south under I-495 west of Cabin John Parkway and east of Seven Locks Road.	-	Silt, sand, cobble, bedrock Width: 30 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
22AA_1							Yes	Yes
22AA_2							Yes	Yes
22AA_3							Yes	Yes
22AA_B							Yes	Yes
22AA_B1							Yes	Yes
22AAA	WOUS SK	Perennial	Waters 22AAA is a perennial channel located within the Capital Beltway/George Washington Memorial Parkway interchange.	-	Silt, sand, gravel, cobble, boulder Width: N/A Depth: N/A	Right: forest Left: forest	Yes	No
22AAA_C								
22B	-	Intermittent	Waters 22B is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west into Waters 22C.	-	Riprap Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22BB	-	Ephemeral	Waters 22BB is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows east into Waters 22CC.	-	Silt, cobble, sand, gravel Width: 1-4 ft Depth 0-4 in	Right: forest Left: forest	Yes	No
22BBB	SP	PFO	Wetland 22BBB is a PFO located east of the I-495 inner loop that abuts Waters 22ZZ.	Red maple Green ash Northern spicebush Japanese stilt grass	-	-	Yes	Yes
22C	-	Intermittent	Waters 22C is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west into a 3-foot concrete pipe and into Waters 22D.	-	Riprap Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22C_C							No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22CC	-	Ephemeral	Waters 22CC is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows northeast under Seven Locks Road into Waters 22DD.	-	Silt, cobble, sand, gravel, concrete Width: 2- 6 ft Depth: 1-6 in	Right: forest Left: forest	Yes	No
22CC_1							Yes	No
22CC_C							Yes	No
22D	-	Intermittent	Waters 22D is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west under a concrete liner into Waters 22E.	-	Concrete Width: 2 ft Depth: 1 in	Right: hedgerow Left: forest	No	Yes
22DD	-	Intermittent	Waters 22DD is an intermittent channel located north of the I-495 outer loop and east of Thornley Court that flows east under Seven Locks Road and then north into Waters 22AA.	-	Silt, cobble, sand, gravel, concrete Width: 2-8 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
22DD_C							Yes	Yes
22E	01-B	PEM	Wetland 22E is a PEM located northwest of the I-495 outer loop and southwest of the intersection of Eggert Road and Persimmon Tree Road.	Wand panic grass Rough barnyard grass	-	-	Yes	Yes
22EE	-	Ephemeral	Waters 22EE is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows north into Waters 22CC.	-	Silt, sand, concrete Width: 4-10 ft Depth: 0-4 in	Right: forest Left: forest	Yes	No
22F	01-L	PEM	Wetland 22F is a PEM located in the median of Cabin John Parkway, south of I-495, that abuts Waters 22H.	Marsh primrose-willow Small carp grass	-	-	Yes	Yes
22FF	-	Ephemeral	Waters 22FF is an ephemeral channel located south of the I-495 inner loop and northwest of the terminus of Cypress Grove Lane that flows south out of the study area.	-	Silt, sand, gravel Width: 3-5 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
22G	01-K	PFO	Wetland 22G is a PFO located in the median of Cabin John Parkway, south of I-495, that abuts Waters 22H.	Black willow Green ash Rambler rose Red maple Lamp rush Crow garlic Japanese honeysuckle	-	-	Yes	Yes
22GG	01-O	PEM	Wetland 22GG is a PEM located east of Cabin John Parkway and south of the I-495 inner loop.	Red maple Pin oak Lamp rush Wand panic grass	-	-	Yes	Yes
22H	01-M	Intermittent	Waters 22H is an intermittent channel located within the median of Cabin John Parkway, south of I-495, that flows west through a culvert under Cabin John Parkway into Waters 22AA.	-	Concrete Width: 2-4 ft Depth: 1-8 in	Right: forest Left: emergent vegetation, mowed lawn	No	Yes
22H_1							Yes	Yes
22H_C							Yes	Yes
22HH	01-C	Intermittent	Waters 22HH is an intermittent channel located west of the I-495 outer loop and north of MacArthur Boulevard that flows south into Waters 22N.	-	Sand, gravel, concrete Width: 5 ft Depth: 3-5 in	Right: forest Left: forest	No	Yes
22HH_1							No	Yes
22HH_2							Yes	Yes
22HH_C							No	Yes
22I	01-G	PFO	Wetland 22I is a PFO located north of Clara Barton Parkway and west of I-495 that abuts Waters 22J.	Swamp white oak Red maple Chinese privet (<i>Ligustrum sinense</i>) Smooth blackhaw Sweet wood-reed Japanese honeysuckle Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22II	-	PFO	Wetland 22II is a PFO located west of the I-495 outer loop and southeast of Lilly Stone Drive.	River birch Green ash White grass	-	-	Yes	Yes
22J	01-F	Intermittent	Waters 22J is an intermittent channel located north of Clara Barton Parkway and west of I-495 that flows south through a culvert into Waters 22I.	-	Silt, sand, cobble, gravel Width: 1-4 ft Depth: 1-6 in	Right: forest, mowed lawn Left: forest, paved road	Yes	Yes
22J_C							Yes	Yes
22JJ	-	PFO	Wetland 22JJ is a PFO located southwest of the MD 19no/I-495 interchange in the floodplain of Waters 22AA.	Red maple Black tupelo Japanese stilt grass	-	-	Yes	Yes
22K	W125M	PEM	Wetland 22K is a PEM located north of Clara Barton Parkway and west of I-495 that abuts Waters 22J.	Dotted smartweed Spotted lady's thumb	-	-	Yes	Yes
22KK	-	Perennial	Waters 22KK is a perennial channel located south of the I-495/Cabin John Parkway interchange that flows east into Waters 22AA.	-	Silt, sand, cobble, gravel Width: 8-15 ft Depth: 3-15 in	Right: forest Left: forest	Yes	Yes
22L	01-J	PEM	Wetland 22L is a PEM located north of Clara Barton Parkway and west of I-495.	Dotted smartweed Sweet wood-reed	-	-	Yes	Yes
22LL	-	PFO	Wetland 22LL is a PFO located southeast of the I-495/Clara Barton Parkway interchange.	Ash-leaf maple American elm Northern spicebush Dotted smartweed Creeping-Jenny	-	-	Yes	Yes
22M	01-D	Perennial	Waters 22M is a perennial channel known as Rock Run located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows south from outside the study area to a box-culvert under Clara Barton Parkway.	-	Silt, sand, cobble, gravel Width: 30 ft Depth: 6 in - 1 ft	Right: forest Left: forest	Yes	Yes
22M_1							Yes	Yes
22M_C							Yes	Yes
22M_C1							Yes	Yes
22MM	-	Perennial	Waters 22MM is a perennial TNW known as the Potomac River located south of the I-495/Clara Barton Parkway interchange that flows east under I-495.	-	Silt, sand, muck, cobble, gravel, bedrock Width: > 400 ft Depth: > 10 ft	Right: forest Left: forest	Yes	Yes
22MM_B							Yes	Yes
22N	01-C	Perennial	Waters 22N is a perennial channel located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows southwest to Waters 22M.	-	Silt, cobble, gravel, concrete Width: 5 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22NN	-	Intermittent	Waters 22NN is an intermittent channel located southwest of the I-495/Clara Barton Parkway interchange that flows south from Wetland 22OO to Waters 22MM.	-	Silt, sand, gravel, muck Width: 8-10 ft Depth: 0 – 6 in	Right: forest Left: bare area under I-495	Yes	Yes
22NN_B							Yes	Yes
22O	01-E	PFO	Wetland 22O is a PFO located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that abuts Waters 22N.	American sycamore Ash-leaf maple Sweet wood-reed Deer-tongue rosette grass Water horsetail (<i>Equisetum fluviatile</i>)	-	-	Yes	Yes
22OO	-	PFO	Wetland 22OO is a PFO located southwest of the I-495/Clara Barton Parkway interchange that abuts Waters 22NN.	American sycamore Ash-leaf maple Reed canary grass	-	-	Yes	Yes
22P	-	Intermittent	Waters 22P is an intermittent channel located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows northwest into Waters 22N.	-	Silt, sand Width: 3 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22PP	01-P	PFO	Wetland 22PP is a PFO located southwest of the I-495/Clara Barton Parkway Interchange, just south of the C&O canal.	American elm Amur honeysuckle Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22Q	-	Perennial	Waters 22Q is a perennial channel located east of the I-495 inner loop and south of Clara Barton Parkway that flows east from a culvert under the Clara Barton Parkway on-ramp to the I-495 inner loop into another culvert under Clara Barton Parkway.	-	Silt, sand Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
22Q_1	01-I						Yes	Yes
22Q_C	-						Yes	Yes
22QQ	-	Intermittent	Waters 22QQ is an intermittent channel located southeast of the I-495/Clara Barton Parkway interchange that flows south into a side channel of Waters 22MM.	-	Sand, muck Width: 2-6 ft Depth: 0-1.5 in	Right: forest Left: forest	Yes	Yes
22R	01-H	PFO	Wetland 22R is a PFO located east of the I-495 inner loop and south of Clara Barton Parkway that abuts Waters 22Q.	Red maple American sycamore Common pawpaw Black tupelo Japanese stilt grass Sweet wood-reed Japanese honeysuckle	-	-	Yes	Yes
22RR	-	Perennial	Waters 22RR is a perennial channel located east of Seven Locks road and north of the I-495 outer loop that flows east into Waters 22AA.	-	Silt, sand, cobble, gravel Width: 6-15 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
22S	-	Intermittent	Waters 22S is an intermittent channel located north of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows east into Waters 22M.	-	Silt, sand, cobble, gravel, placed stone slabs Width: 1-7 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
22SS	WOUS CC/CD	Perennial	Waters 22SS is a perennial channel located northwest of the Capital Beltway/George Washington Memorial Parkway interchange that flows north.	-	Silt, sand, gravel, cobble Width: 25 ft Depth: N/A	Right: forest Left: forest	Yes	No
22T	W122M	Intermittent	Waters 22T is an intermittent channel located north of Clara Barton Parkway and south of MacArthur Boulevard that flows west from Wetland 22U, under I-495, and into Waters 22HH.	-	Silt, cobble, sand, concrete, riprap Width: 3-6 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22T_1							Yes	Yes
22T_2							Yes	Yes
22T_B							Yes	Yes
22T_B1							Yes	Yes
22TT	DC	PFO	Wetland 22TT is a PFO located east of the I-495 outer loop that abuts Waters 22UU and Waters 22MM.	Red maple Green ash Northern spicebush Japanese stilt grass	-	-	Yes	Yes
22U	W121M	PFO	Wetland 22U is a PFO located east of the I-495 inner loop, north of Clara Barton Parkway, and south of MacArthur Boulevard that abuts Waters 22T.	Red maple Slippery elm Black willow Ash-leaf maple	-	-	Yes	Yes
22UU	WOUS DF	Intermittent	Waters 22UU is an intermittent channel located west of the I-495 outer loop that flows north into Waters 22MM.	-	Riprap Width: 20 ft Depth: N/A	Right/Left: forest, maintained, impervious surface	Yes	No
22V	-	Intermittent	Waters 22V is an intermittent channel located south of Clara Barton Parkway that flows east under I-495 and into a roadside swale, followed by an 18-inch pipe.	-	Silt, sand, cobble, gravel Width: 1-4 ft Depth: 6 in	Right: hedgerow, riprap Left: hedgerow, riprap	Yes	Yes
22V_1							Yes	Yes
22V_2							Yes	Yes
22V_B							Yes	Yes
22V_B1							Yes	Yes
22VV	WOUS DJ	Ephemeral	Waters 22VV is an ephemeral channel located east of the I-495 inner loop that flows west.	-	Silt Width: 20 ft Depth: N/A	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
22W	W132M	PEM	Wetland 22W is a PEM (the C&O Canal Towpath) located southwest of the I-495/Clara Barton Parkway interchange.	Duck-potato Straw-color flat sedge Narrow-leaf cat-tail Ribbon-leaf pondweed (<i>Potamogeton epihydrus</i>)	-	-	Yes	Yes
22WW	WOUS DK	Ephemeral	Waters 22WW is an ephemeral channel located east of the I-495 inner loop that flows northwest.	-	Silt, sand, gravel Width: 25 ft Depth: N/A	Right: forest Left: forest	Yes	No
22WW_C								
22X	-	PFO	Wetland 22X is a PFO located within the cloverleaf of the I-495 inner loop on-ramp from Clara Barton Parkway.	Red maple Eastern poison ivy Sweet wood-reed Asian bittersweet	-	-	Yes	Yes
22XX	WOUS DL	Ephemeral	Waters 22XX is an ephemeral channel located east of the I-495 inner loop that flows northwest into Waters 22WW.	-	Silt, sand, gravel Width: 10 ft Depth: N/A	Right: forest Left: forest	Yes	No
22Y	01-H	PEM	Wetland 22Y is a PEM located within the cloverleaf of the I-495 inner loop on-ramp from Clara Barton Parkway, that abuts Waters 22Q.	Green ash River birch Lamp rush Sweet wood-reed Deer-tongue rosette grass Japanese stilt grass	-	-	Yes	Yes
22Z	01-N	Perennial	Waters 22Z is a perennial channel known as Booze Creek that flows southwest through a triple box culvert under Cabin John Parkway to Waters 22AA.	-	Sand, cobble, gravel Width: 40 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
22Z_1							Yes	Yes
22Z_C							Yes	Yes
22ZZ	WOUS SH	Perennial	Waters 22ZZ is a perennial channel located east of the I-495 inner loop that flows east.	-	Silt, sand, gravel, cobble Width: 20 ft Depth: N/A	Right/Left: forest, unmaintained herbaceous, impervious surface	Yes	No
22ZZ_C								
Subsegment 23								
23A	WUS 01	Perennial	Waters 23A is a perennial channel known as Thomas Branch that flows south parallel to the I-270 spur and the I-495 outer loop and into Cabin John Creek.	-	Silt, sand, cobble Width: 15-30 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
23A_1							Yes	Yes
23A_2							Yes	Yes
23A_3							Yes	Yes
23A_C							Yes	Yes
23A_C1							Yes	Yes
23A_C2							Yes	Yes
23AA	-	Perennial	Waters 23AA is a perennial channel located southeast of the I-270/Democracy Boulevard interchange that originates at a culvert under the I-270 on-ramp and flows south through another culvert.	-	Silt, sand Width: 2-3 ft Depth: 2-4 in	Right: forest Left: forest	Yes	Yes
23AA_1							Yes	Yes
23AA_C							Yes	Yes
23AA_C1							Yes	Yes
23BB	-	PEM	Wetland 23BB is a PEM located southeast of the I-270/Democracy Boulevard interchange that abuts Waters 23AA.	Sweet-gum Eastern poison ivy Japanese stilt grass	-	-	Yes	Yes
23C	-	Intermittent	Waters 23C is an intermittent channel located southwest of the I-270/Democracy Boulevard interchange that flows east into Waters 23A.	-	Silt, muck, leaf litter Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
23CC	-	PFO	Wetland 23CC is a PFO located west of the I-270 south spur and northeast of Motor City drive that abuts Waters 23E.	Green ash American elm Northern spicebush northern bush honeysuckle (<i>Diervilla lonicera</i>) Eastern poison ivy Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
23D	WUS 02	Intermittent	Waters 23D is an intermittent channel located southeast of the I-270/Democracy Boulevard interchange that flows from 23-SWM8, under I-270, and into Thomas Branch.		Silt, sand, cobble, gravel Width: 7 ft Depth: 2 ft		No	Yes
23D_C							No	Yes
23DD	-	Intermittent	Waters 23DD is an intermittent channel located west of the I-270 south spur and east of Westlake Drive that flows north into Waters 23K.	-	Silt, sand, cobble Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
23E	-	Intermittent	Waters 23E is an intermittent channel located west of the I-270 south spur and northeast of Motor City Drive that flows west from Wetland 23CC and out of the study area.	-	Silt, sand, gravel, riprap Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
23EE	-	PFO	Wetland 23EE is a PFO located between the Old Georgetown Road on ramp to I-270 eastbound and Aubinoe Farm Drive.	American elm Red maple Amur honeysuckle Japanese stilt grass Fox grape Unknown grass species (<i>Poa sp.</i>)	-	-	Yes	Yes
23F	-	PEM	Wetland 23F is a PEM located west of the I-270 south spur and east of Westlake Drive that abuts Waters 23K.	Green ash Black tupelo Japanese stilt grass	-	-	Yes	Yes
23FF	-	Intermittent	Waters 23FF is an intermittent channel located south of the I-270 east spur and north of the Rudyard Drive/Rossmore Drive intersection that flows east into Waters 23Q.	-	Silt, sand, cobble, and gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	No	Yes
23G	WUS 34	Perennial	Waters 23G is a perennial channel located south of the Grosvenor Place/Englishman Drive intersection that flows adjacent to and under I-270 and out of the study area.	-	Silt, sand, cobble Width: 8-10 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
23G_1							Yes	Yes
23G_C							Yes	Yes
23GG	-	PFO	Wetland 23GG is a PFO located west of I-270 and southeast of the Tuckerman Lane/Westlake Drive intersection.	Red maple Northern spicebush Greater water dock (<i>Rumex britannica</i>) New York fern Japanese honeysuckle	-	-	Yes	Yes
23H	-	Ephemeral	Waters 23H is an ephemeral channel located southeast of Englishman Drive that flows south into Waters 23G.	-	Silt, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
23HH	-	PFO	Wetland 23HH is a PFO located west of the I-270 south spur that drains into Waters 23K.	Black tupelo American hornbeam			Yes	Yes
23J	-	PFO	Wetland 23J is located southwest of the Rockledge Drive overpass over I-270 that drains into Waters 23N.	Speckled alder (<i>Alnus incana</i>) Black willow American sycamore			Yes	Yes
23K	-	Perennial	Waters 23K is a perennial channel located west of the I-270 south spur and east of Westlake Drive that originates at a stormwater management pond and flows north into Waters 24A. Waters 23K flows through subsegments 23 and 24.	-	Silt, sand, cobble, gravel Width: 9 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
23K_1							Yes	Yes
23K_C							Yes	Yes
23K_C1							Yes	Yes
23K_D							Yes	Yes
23KK	-	PEM	Wetland 23KK is a PEM located southwest of the Rockledge Drive overpass I-270 that drains into Waters 23N.	Narrowleaf cat-tail Arrowleaf tearthumb			Yes	Yes
23L	-	PEM	Wetland 23L is a PEM located inside the Democracy Boulevard on ramp to I-270 northbound.	Broad-leaf cat-tail Japanese stilt grass	-	-	Yes	Yes
23M	-	Ephemeral	Waters 23M is an ephemeral channel located southeast of Earlsgate Lane and north of I-270 that flows north into Waters 23N.	-	Silt Width: 8 ft Depth: 6 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
23N	-	Intermittent	Waters 23N is an intermittent channel located between Windermere Circle and I-270 that flows northwest out of the study area into Old Farm Creek.	-	Sand, cobble, gravel, riprap Width: 9 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
23N_C							Yes	Yes
23N_D							Yes	Yes
23P	-	PFO	Wetland 23P is a PFO located northeast of the intersection of Snow Point Drive and Fleming Avenue.	Green ash Red maple Northern spicebush northern bush honeysuckle Jack-in-the-pulpit (<i>Arisaema triphyllum</i>)	-	-	Yes	Yes
23Q	WUS 33	Perennial	Waters 23Q is a perennial channel located north of the intersection of Rudyard Drive and Farnham Drive that flows into Waters 23R.	-	Sand, cobble, gravel, bedrock, riprap Width: 15 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
23Q_1							Yes	Yes
23Q_2							Yes	Yes
23Q_C							Yes	Yes
23R	-	Perennial	Waters 23R is a perennial channel located east of the I-270/Old Georgetown Road interchange that enters the study area from a culvert and flows east under I-270 and out of the study area.	-	Silt, cobble, gravel, bedrock Width: 15 ft Depth: 8 ft	Right: forest Left: forest	Yes	Yes
23S	-	Intermittent	Waters 23S is an intermittent channel located northeast of the Snow Point Drive/Fleming Avenue intersection that flows east into Waters 23G.	-	Cobble, gravel, riprap Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
23T	-	Ephemeral	Waters 23T is an ephemeral channel located between Thornbush Lane and I-270 that flows into Waters 23G.	-	Silt, cobble, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
23U	-	Intermittent	Waters 23U is an intermittent channel located between Windermere Circle and I-270 that flows north into Waters 23N.	-	Sand, cobble, gravel, riprap Width: 6 ft Depth: 1 ft	Right: forest Left: forest	No	Yes
23V	SB12/NB01-D	Intermittent	Waters 23V is an intermittent channel located northeast of the I-270 Spur/Westlake Terrace intersection that originates from a culvert and flows west under I-270.	-	Silt Width: 2 – 8 ft Depth: 1 in	Right: forest Left: forest	No	Yes
23V_C							No	Yes
23W	PEM 10	PEM	Wetland 23W is a PEM located northeast of the I-270/Democracy Boulevard interchange that flows to Waters 23A.	Green ash Pin oak Common persimmon Reed canary grass Uptight sedge (<i>Carex stricta</i>)	-	-	Yes	Yes
23X	PEM 02	PEM	Wetland 23X is a PEM located southwest of the I-270/Tuckerman Lane intersection that abuts Waters 23J.	Red maple American sycamore Green ash Northern spicebush Skunk-cabbage Virginia-creeper Fox grape	-	-	Yes	Yes
23Z	-	Intermittent	Waters 23Z is an intermittent channel located west of the I-270 south spur and northeast of Motor City Drive that flows north from a parking lot into Waters 23E.	-	Silt, sand Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
Subsegment 24								
24A	-	Perennial	Waters 24A is a perennial channel located north of the I-270/Tuckerman Lane intersection that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt Width: 20 ft Depth: 6 in	Right: forest, scrub-shrub, maintained Left: forest, scrub-shrub	Yes	Yes
24A_1							Yes	Yes
24A_C							Yes	Yes
24C	-	Intermittent	Waters 24C is an intermittent channel located in Cabin John Regional Park that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt Width: 3.5 ft Depth: 5 in	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATIO N	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
24D	-	Perennial	Waters 24D is a perennial channel located north of Waters 24C in Cabin John Regional Park that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt, riprap Width: 3 ft Depth: 4 in	Right: herbaceous Left: forest, scrub-shrub	Yes	Yes
24F	-	Perennial	Waters 24F is a perennial channel located southeast of the I-270/Montrose Road interchange that flows south into a culvert under I-270 and west out of the study area. Waters 24F flows through subsegments 24 and 25.	-	Cobble, gravel, sand, silt Width: 15 ft Depth: 6 in	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes
24F_1	WUS 14						Yes	Yes
24F_2	WUS 14						Yes	Yes
24F_3	WUS 14						Yes	Yes
24F_C	-						Yes	Yes
24F_C1	WUS 14						Yes	Yes
24F_C2	WUS 14						Yes	Yes
24H	WUS 15	Perennial	Waters 24H is a perennial channel located west of the I-270/Montrose Road interchange that flows south out of the study area into Waters 24J.	-	Cobble, gravel, sand, silt Width: 5 ft Depth: 1 in	Right/Left: forest, scrub-shrub, wetland	Yes	Yes
24J	-	Perennial	Waters 24J is a perennial channel located west of the I-270/Montrose Road interchange that flows southeast out of the study area into Cabin John Creek.	-	Cobble, sand, silt Width: 14 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
24K	-	Intermittent	Waters 24K is an intermittent channel located southeast of the I-270/Montrose Road interchange that flows southwest into Waters 24F.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
24L	-	Intermittent	Waters 24L is an intermittent channel located southeast of the I-270/Montrose Road interchange that flows southwest into Waters 24F and abuts Wetland 24R.	-	Gravel, silt, sand Width: 1-2 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
24M	-	PEM	Wetland 24M is a PEM located northeast of the I-270/Tuckerman Lane intersection.	Red maple American sycamore River birch Broad-leaf cat-tail Reed canary grass	-	-	Yes	Yes
24N	-	PFO	Wetland 24N is a PFO located in Cabin John Regional Park, half a mile south of the I-270/Montrose Road interchange.	Red maple American elm Northern spicebush Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
24P	-	Ephemeral	Waters 24P is an ephemeral channel located southwest of the I-270/Montrose Road interchange that flows west into Cabin John Creek.	-	Sand Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	No
24Q	-	PFO	Wetland 24Q is a PFO located in Cabin John Regional Park half a mile south of the I-270/Montrose Road interchange that abuts Waters 24D.	Red maple American sycamore Northern spicebush Japanese stilt grass	-	-	Yes	Yes
24R	-	PFO	Wetland 24R is a PFO located southeast of the I-270/Montrose Road interchange, adjacent to Waters 24F and 24L.	Red maple Pin oak Northern spicebush Rambler rose Japanese stilt grass Rice cut grass Eastern poison ivy	-	-	Yes	Yes
24S	-	Ephemeral	Waters 24S is an ephemeral channel located south of the I-270/Montrose Road interchange that flows south into Wetland 24R.	-	Silt, sand, gravel, riprap Width: 6 ft Depth: 4 ft	Right: forest Left: forest	Yes	No
24T	-	Intermittent	Waters 24T is an intermittent channel located west of I-270 and east of Gainsborough Road that flows south into Waters 24U.	-	Silt, sand, gravel, cobble Width: 6 ft Depth: 4ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
24U	-	Perennial	Waters 24U is a perennial channel located west of I-270 and east of Gainsborough Road that flows south out of the study area.	-	Silt, sand, gravel, cobble Width: 20 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
Subsegment 25								
25A	-	Perennial	Waters 25A is a perennial channel located east of the I-270/Montrose Road interchange that originates at a culvert and flows west into Waters 24F.	-	Silt sand, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest, scrub-shrub	Yes	Yes
25A_1	WUS 13						Yes	Yes
25A_C	-						Yes	Yes
25B	PFO 05	PFO	Wetland 25B is a PFO located east of the I-270/Montrose Road interchange that abuts Waters 24F.	Silver maple Red maple Pin oak Northern spicebush Japanese barberry (<i>Berberis thunbergii</i>) Sensitive fern Japanese stilt grass	-	-	Yes	Yes
25C	WUS 14A	Intermittent	Waters 25C is an intermittent channel located east of the I-270/Montrose Road interchange that originates at a culvert and flows east into Waters 24F.	-	Silt, cobble, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
25D	PFO 06	PFO	Wetland 25D is a PFO located east of the I-270/Montrose Road interchange that abuts Waters 24F.	River birch Red maple American sycamore Southern arrow-wood Lamp rush Deer-tongue rosette grass	-	-	Yes	Yes
25E	-	Perennial	Waters 25E is a perennial channel open water pond located south of the I-270/Falls Road interchange within 25-SWM1 that flows into Waters 25H and then east under I-270.	-	Silt, sand, muck Width: 150 ft Depth: Unknown	Right: wetland Left: wetland	Yes	Yes
25F	-	Ephemeral	Waters 25F is an ephemeral channel located east of I-270 and southwest of the intersection of Wootton Parkway and Tower Oaks Boulevard that flows east under Tower Oaks Boulevard and out of the study area.	-	Sand, silt, cobble, clay Width: 10 ft Depth: 5 ft	Right: forest Left: forest	Yes	No
25G	-	Intermittent	Waters 25G is an intermittent channel located southeast of the Preserve Parkway/Tower Oaks Boulevard intersection that flows northeast from a culvert and out of the study area.	-	Sand, cobble, gravel Width: 8-12 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
25H	WUS 16	Perennial	Waters 25H is a perennial channel located south of the I-270/Falls Road interchange within 25-SWM1.	-	Silt, sand, gravel Width: 3-4 ft Depth: 3-6 ft	Right/Left: wetlands, stormwater management areas	Yes	Yes
25H_1	-						Yes	Yes
25H_C	WUS 16						Yes	Yes
25K	-	PEM	Wetland 25K is a PEM located south of the I-270/Falls Road interchange within 25-SWM1 and abutting Waters 25H.	American sycamore Groundseltree Crimson-eyed rose-mallow Narrow-leaf cat-tail Lamp rush Shallow sedge	-	-	Yes	Yes
25L	-	Intermittent	Waters 25L is an intermittent channel located east of I-270 and Tower Oaks Boulevard and south of Preserve Parkway that flows northeast from 25-SWM8 into Waters 25G.	-	Silt, sand, gravel Width: 4 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
Subsegment 26								
26A	PEM 08	PEM	Wetland 26A is a PEM located southeast of the I-270/West Montgomery Avenue interchange that abuts Waters 26B.	Green ash Red maple Black tupelo Southern arrow-wood Eurasian-buttercup (<i>Ficaria verna</i>) White grass	-	-	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
26B	WUS 18	Intermittent	Waters 26B is an intermittent channel located south of the I-270/West Montgomery Avenue interchange that flows southwest under I-270.	-	Silt, sand, cobble, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
26B_1							Yes	Yes
26B_C							Yes	Yes
26B_C1							Yes	Yes
26C	-	Intermittent	Waters 26C is an intermittent channel flow located south of Winding Rose Drive that flows northwest and then west under I-270.	-	Sand, cobble, gravel, riprap Width: 9 ft Depth: 1 ft	Right: forest Left: scrub-shrub	Yes	Yes
26C_1	WUS 17						Yes	Yes
26C_C	WUS 17						Yes	Yes
26C_C1	WUS 17						Yes	Yes
26D	-	PEM	Wetland 26D is a PEM located east of Watts Branch Parkway that abuts Waters 26C.	Silver maple Green ash Common persimmon Twinsisters Rambler rose White grass Japanese stilt grass	-	-	Yes	Yes
26E	PFO 09	PEM	Wetland 26E is a PEM located east of Watts Branch Parkway that abuts Waters 26C.	Fowl blue grass	-	-	Yes	Yes
26F	PEM 06	PEM	Wetland 26F is a PEM located south of Winding Rose Drive and abutting Waters 26C.	Red maple Black willow Pinkweed Rice cut grass Virginia-creeper	-	-	Yes	No
26G	WUS 17A	Ephemeral	Waters 26G is an intermittent channel located northwest of the I-270/Great Falls Road interchange that flows north from Wetland 26H.		Silt, cobble, sand, and gravel Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
26G_1	WUS 17A	Intermittent					Yes	Yes
26H	PEM 11	PEM	Wetland 26H is a PEM located northeast of the I-270/Great Falls Road interchange.	Green ash Common persimmon Black walnut (<i>Juglans nigra</i>) northern bush honeysuckle Sensitive fern Spotted touch-me-not Eastern poison ivy	-	-	Yes	Yes
26J		Intermittent	Waters 26J is an intermittent channel located south of Winding Rose Drive and abutting Wetland 26F.		Riprap Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
Subsegment 27								
27A	WUS 19	Perennial	Waters 27A is Watts Branch, a perennial channel located north of the I-270/West Montgomery Avenue interchange that flows southwest out of the study area.	-	Bedrock, cobble, gravel, concrete, sand, silt Width: 17 ft Depth: 7 in	Right: forest, scrub-shrub, wetland Left: forest, scrub-shrub, wetland	Yes	Yes
27A_1							Yes	Yes
27A_2							Yes	Yes
27A_C							Yes	Yes
27A_C1							Yes	Yes
27B	WUS 19F	Intermittent	Waters 27B is an intermittent channel located northeast of the I-270/West Montgomery Avenue interchange that flows northwest from a culvert into Waters 27A.	-	Silt, sand, cobble, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
27C	WUS 19C	Ephemeral	Waters 27C is an ephemeral channel located within Wetland 27F that enters the study area through a culvert under Nelson Street and flows southwest into Waters 27D.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No
27D	WUS 19D	Intermittent	Waters 27D is an intermittent channel located between I-270 and Nelson Street that flows south from Wetland 27F into Waters 27A.	-	Riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
27E	PFO 13	PFO	Wetland 27E is a PFO located between I-270 and Nelson Street that abuts Waters 27B.	Green ash Red maple Common buttonbush Skunk-cabbage	-	-	Yes	Yes
27F	WP001	PFO	Wetland 27F is a PFO located north of the I-270/West Montgomery Avenue interchange between I-270 and Nelson Street that abuts Waters 27C and Waters 27D.	Green ash Pin oak Twinsisters Eastern poison ivy Skunk-cabbage	-	-	Yes	Yes
27G	PSS 01	PSS	Wetland 27G is a PSS located northwest of the I-270/ West Montgomery Avenue interchange that abuts Waters 27H.	Black walnut Black cherry Green ash Smooth blackhaw Skunk-cabbage Eastern poison ivy	-	-	Yes	Yes
27H	WUS 19A	Intermittent	Waters 27H is an intermittent channel located northeast of the I-270/West Montgomery Avenue interchange that flows southwest from Wetland 27G into Waters 27A.	-	Silt, muck, gravel Width: 3 ft Depth: 6 in	Right: herbaceous Left: herbaceous	Yes	Yes
27K	SB7NB2-B	Ephemeral	Waters 27K is an ephemeral channel located between Watts Branch Avenue and West Montgomery Avenue that flows northwest into Waters 27A.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: hedgerow Left: hedgerow	Yes	No
27L	NB3-A	Intermittent	Waters 27L is an intermittent channel located south of the I-270/Shady Grove Road interchange that flows southeast from Wetland 27M and under I-270.	-	Silt, sand, cobble, riprap Width: 2-4 ft Depth: 6 in	Right: hedgerow Left: hedgerow	Yes	Yes
27L_C							Yes	Yes
27M	-	PFO	Wetland 27M is a PFO located between I-270 and the ramp to Redland Boulevard.	Red maple Sensitive fern	-	-	Yes	Yes
27N	WUS 19B	Intermittent	Waters 27N is an intermittent channel located north of the I-270/West Montgomery Avenue interchange that flows west into waters 27A.	-	Silt Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
Subsegment 28								
28A	-	Perennial	Waters 28A is a ponded perennial channel located southwest of the I-270/I-370 interchange that flows northwest into Waters 29A.	-	Riprap Width: 140-385 ft Depth: 2-10 ft	Right: maintained park Left: commercial development	Yes	Yes
28B	WUS 21	Intermittent	Waters 28B is an intermittent channel located southwest of the I-270/I-370 interchange that flows northwest into Waters 29A.	-	Concrete Width: 6 ft Depth: 6 in	Right: forest Left: forest	No	Yes
Subsegment 29								
29A	WUS 20	Perennial	Waters 29A is a perennial channel located northwest of the I-270/I-370 interchange that flows north from a stormwater pond into Muddy Branch. Waters 29A flows through subsegments 28 and 29.	-	Silt, sand, cobble, gravel, riprap Width: 20 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
29A_1	WUS 20						Yes	Yes
29A_2	-						Yes	Yes
29A_C	WUS 20						Yes	Yes
29A_C1	WUS 20						Yes	Yes
29A_C2	WUS 20						Yes	Yes
29B	WUS 23	Perennial	Waters 29B is a perennial channel that flows under I-270 through a culvert located southwest of Bralan Court.	-	Bedrock, sand, cobble, gravel Width: 20 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
29B_1							Yes	Yes
29B_C							Yes	Yes
29C	WUS 35	Intermittent	Waters 29C is an channel with intermittent and perennial flow located east of I-270 and south of Muddy Branch Road that flows southwest under I-270 and continues outside the study area into Muddy Branch.	-	Cobble, gravel, riprap Width: 6 ft Depth: 1.5 ft	Right: forest Left: mowed	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
29D	WUS 23A	Intermittent	Waters 29D is an intermittent channel located northeast of the I-270/I-370 interchange south of Gaither Road that flows northwest from a stormwater pond, under I-370, and continues outside the study area into Muddy Branch.	-	Silt, sand, cobble, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
29D_D							No	Yes
29E	WUS 35B	Perennial	Waters 29E is a perennial channel located east of I-270 and south of Muddy Branch Road that flows southeast from a stormwater pond into Waters 29C.	-	Silt, cobble, gravel Width: 5 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
29E_1	WUS 35						Yes	Yes
29E_C	WUS 35						Yes	Yes
29F	WUS 35C	Perennial	Waters 29F is a perennial channel located east of I-270 and south of Muddy Branch Road that flows southwest from a stormwater pond into Waters 29C.	-	Silt, cobble, sand, riprap Width: 4 ft Depth: 1 ft	Right: forest, wetland Left: forest	Yes	Yes
29G	PEM 09	PEM	Wetland 29G is a PEM located east of Muddy Branch Road and I-270, adjacent to Waters 29E.	Black willow Spotted touch-me-not Rice cut grass	-	-	Yes	Yes
29H	WUS 35A	Intermittent	Waters 29H is an intermittent channel located southwest of the I-270/Muddy Branch Road intersection that flows west from a stormwater inlet into Waters 29C.	-	Silt, gravel, and riprap Width: 6 ft Depth: 2 ft	Right: mowed Left: mowed	No	Yes
29J	PEM 12	PEM	Wetland 29J is a PEM located east of Muddy Branch Road and I-270, adjacent to Waters 29C and 29F.	American sycamore Willow oak Spotted touch-me-not Small-spike false nettle Common marsh bedstraw (<i>Galium palustre</i>)	-	-	Yes	Yes
29K	-	Intermittent	Waters 29K is an intermittent channel located west of Industrial Drive and north of I-370 that flows north through 29-SWM3 and out of the study area.	-	Silt Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 1								
1A	-	Intermittent	Waters 1A is an intermittent channel located west of the on ramp from MD 5 south to the I-495 inner loop that originates at a culvert along the ramp and flows south, dissipating into Wetland 1BB for approximately 70 feet before re-channelizing and flowing into a culvert.	-	Sand, gravel, cobble, riprap Width: 3 ft Depth: 1-5 ft	Right: forest, emergent vegetation Left: forest	Yes	Yes
1A_C							Yes	Yes
1AA	02-AA	PEM	Wetland 1AA is a palustrine emergent wetland (PEM) ditch located south of the I-495 outer loop and north of Barry Drive that abuts Waters 1H.	Broad-leaf cat-tail (<i>Typha latifolia</i>)	-	-	Yes	Yes
1AAA	-	Intermittent	Waters 1AAA is an intermittent channel located south of the I-495 outer loop and east of Canterbury Way that originates at a culvert along I-495 and flows south through Wetland 1ZZ.	-	Sand, gravel, cobble Width: 3-6 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1B	-	PFO	Wetland 1B is a palustrine forested wetland (PFO) located west of the on ramp from MD 5 south to the I-495 inner loop that abuts Waters 1A.	Sweet-gum (<i>Liquidambar styraciflua</i>) Red maple (<i>Acer rubrum</i>) Green ash (<i>Fraxinus pennsylvanica</i>) Northern spicebush (<i>Lindera benzoin</i>) Sweet wood-reed (<i>Cinna arundinacea</i>) Eastern poison ivy (<i>Toxicodendron radicans</i>) Unknown grape species (<i>Vitis</i> sp.)	-	-	Yes	Yes
1BB	-	PEM	Wetland 1BB is a PEM located west of the on ramp from MD 5 south to the I-495 inner loop, along Waters 1A.	Sweet-gum Blunt broom sedge (<i>Carex tribuloides</i>) Bristly lady's-thumb (<i>Persicaria longiseta</i>)	-	-	Yes	Yes
1BBB	-	PEM	Wetland 1BBB is a PEM located south of the I-495 outer loop and north of Henson Drive that abuts Wetland 1ZZ.	Rough barnyard grass (<i>Echinochloa muricata</i>) Wand panic grass (<i>Panicum virgatum</i>)	-	-	Yes	Yes
1C	02-G	PFO	Wetland 1C is a PFO located along the toe-of-slope of the road embankment north of the I-495 inner loop and east of Beech Place that abuts Wetland 1WW.	Sweet-gum American elm (<i>Ulmus americana</i>) Smooth blackhaw (<i>Viburnum prunifolium</i>) Crow garlic (<i>Allium vineale</i>) Eastern poison ivy Japanese honeysuckle (<i>Lonicera japonica</i>)	-	-	Yes	Yes
1CC	-	PFO	Wetland 1CC is a PFO swale located west of the on ramp from MD 5 south to the I-495 inner loop that abuts Wetland 1BB.	Black tupelo (<i>Nyssa sylvatica</i>) American hornbeam (<i>Carpinus caroliniana</i>) Nanny-berry (<i>Viburnum lentago</i>) Eastern poison ivy	-	-	Yes	Yes
1CCC	-	PFO	Wetland 1CCC is a PFO located south of the I-495 outer loop and northeast of Keppler Place that abuts Waters 1VV.	Sweet-gum American elm Northern spicebush Japanese honeysuckle Sweet wood-reed Horsebrier (<i>Smilax rotundifolia</i>)	-	-	Yes	Yes
1D	02-H	Perennial	Waters 1D is a perennial channel located north and south of I-495, east of the Temple Hill Road overpass that flows southeast along the study area north of the I-495 inner loop, through culverts under an upland berm and I-495, and south outside of the study area.	-	Sand, gravel Width: 6-12 ft Depth: 3-6 ft	Right: forest Left: forest	Yes	Yes
1D_1							Yes	Yes
1D_2							Yes	Yes
1D_C							Yes	Yes
1D_C1							Yes	Yes
1DD	-	PFO	Wetland 1DD is a PFO located along a hillslope north of the I-495 inner loop and east of Temple Hill Road that abuts Waters 1L and Waters 1D.	Red maple Black tupelo Sweet-bay (<i>Magnolia virginiana</i>) Northern spicebush White grass (<i>Leersia virginica</i>) Cinnamon fern (<i>Osmundastrum cinnamomeum</i>) Skunk-cabbage (<i>Symplocarpus foetidus</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1DDD	-	PEM	Wetland 1DDD is a PEM depression located south of the I-495 outer loop and north of Henson Drive	Green ash Sweet-gum American sycamore (<i>Platanus occidentalis</i>) Common persimmon (<i>Diospyros virginiana</i>) Lamp rush (<i>Juncus effusus</i>) Tall false rye grass (<i>Schedonorus arundinaceus</i>)	-	-	Yes	Yes
1E	02-I	PFO	Wetland 1E is a PFO located on a sloped floodplain north of the I-495 inner loop and south of Beech Place that abuts Waters 1D.	Sweet-gum American elm Eastern red-cedar (<i>Juniperus virginiana</i>) Green ash Southern arrow-wood (<i>Viburnum dentatum</i>) Common reed (<i>Phragmites australis</i>) Unknown sedge species (<i>Carex</i> sp.) Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
1EE	-	PFO	Wetland 1EE is a PFO depression located north of the I-495 inner loop and west of Beech Place.	Sweet-gum Red maple Green ash	-	-	Yes	Yes
1EEE	-	Ephemeral	Waters 1EEE is an ephemeral channel located south of the I-495 outer loop and north of Barry Drive that flows north from Barry Drive into Waters 1L.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	No
1F	-	PFO	Wetland 1F is a PFO located north of the I-495 inner loop and south of Beech Place that abuts Waters 1G.	Green ash Red maple northern catalpa (<i>Catalpa speciosa</i>) Sweet-gum Amur honeysuckle (<i>Lonicera maackii</i>) Lamp rush Japanese stilt grass (<i>Microstegium vimineum</i>) Japanese honeysuckle Horsebrier Eastern poison ivy	-	-	Yes	Yes
1FF	-	PEM	Wetland 1FF is a PEM depression located within a stormwater management facility north of the I-495 inner loop and west of Beech Place.	Common reed	-	-	Yes	Yes
1G	-	Ephemeral	Waters 1G is an ephemeral channel located north of the I-495 inner loop and south of Beech Place that flows north from Wetland 1F into Waters 1D.	-	Sand, gravel Width: 2.5 ft Depth: 5ft	Right: forest Left: forest	Yes	No
1GG	-	POW	Waters 1GG is the palustrine open water (POW) portion of a stormwater management facility located north of the I 495 inner loop and southwest of Beech Place, within Wetland 1FF.		Silt, sand, muck, and riprap bottom Width: 30 ft Depth: N/A	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
1H	02-J	Intermittent	Waters 1H is an intermittent channel located north of Canterbury Way that flows east along the I-495 outer loop, through a pipe culvert under I-495, and north into Waters 1D.	-	Cobble, sand, gravel north of I-495; concrete south of I-495 Width: 3-8 ft Depth: 3-6 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
1H_C							Yes	Yes
1H_D							Yes	Yes
1HH	-	Ephemeral	Waters 1HH is an ephemeral channel located north of the I-495 inner loop and east of Temple Hill Road that flows northeast into Waters 1Z.	-	Silt, cobble, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1I	-	PFO	Wetland 1I is a PFO located north of the I-495 inner loop and southwest of Beech Place that abuts Waters 1D.	Green ash Lamp rush Japanese honeysuckle	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1II	-	PFO	Wetland 1II is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	Black tupelo American beech (<i>Fagus grandifolia</i>) Eastern poison ivy Horsebrier	-	-	Yes	Yes
1J	02-K	PFO	Wetland 1J is a PFO located on a hillslope north of the I-495 inner loop and southwest of Beech Place, in the floodplain of Waters 1D.	Sweet-gum Red maple Green ash Southern arrow-wood Crow garlic Eastern poison ivy Horsebrier Japanese honeysuckle	-	-	Yes	Yes
1JJ	-	PFO	Wetland 1JJ is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	American holly (<i>Ilex opaca</i>) Tuliptree (<i>Liriodendron tulipifera</i>) Sweet-gum Netted chain fern (<i>Woodwardia areolata</i>) English ivy (<i>Hedera helix</i>) Horsebrier Eastern poison ivy	-	-	Yes	Yes
1K	02-L	PFO	Wetland 1K is a PFO located on a hillside seep north of the I-495 inner loop and southeast of Leslie Avenue that abuts Waters 1D	Red maple Sweet-gum Northern spicebush Skunk-cabbage New York fern (<i>Parathelypteris noveboracensis</i>) Horsebrier Japanese honeysuckle Unknown smartweed species (<i>Persicaria</i> sp.)	-	-	Yes	Yes
1KK	-	PFO	Wetland 1KK is a PFO located along a hillslope south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L	Red maple Sweet-gum Southern arrow-wood Eastern poison ivy English ivy Virginia-creeper (<i>Parthenocissus quinquefolia</i>)	-	-	Yes	Yes
1L	02-M	Intermittent	Waters 1L is an intermittent channel located north of Barry Drive that flows north through a culvert under I-495 and into Waters 1D beyond the study area.	-	Cobble, sand, gravel, concrete Width: 2-6 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
1L_1							Yes	Yes
1L_C							Yes	Yes
1LL	-	Intermittent	Waters 1LL is an intermittent channel located south of the I-495 outer loop and north of Barry Drive that flows west to Waters 1L.	-	Silt, sand, concrete Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1M	02-N	Ephemeral	Waters 1M is an ephemeral channel located east of Temple Hill Road and north of Church Way that flows north through a culvert under I-495 into Waters 1Z.	-	Cobble, sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
1M_1							Yes	No
1M_C							Yes	No
1MM	-	PFO	Wetland 1MM is a PFO located south of the I-495 outer loop and north of Barry Drive that abuts Waters 1L.	Sweet-gum Japanese honeysuckle English ivy Eastern poison ivy Horsebrier	-	-	Yes	Yes
1N	-	Ephemeral	Waters 1N is an ephemeral channel located north of the I-495 inner loop and east of Temple Hill Road that flows northeast into Waters 1M.	-	Cobble, sand, gravel Width: 3 ft Depth: 3 ft	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
1NN	-	Ephemeral	Waters 1NN is an ephemeral channel located south of the I-495 outer loop and north of Canterbury Way that flows east into Waters 1D.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: paved road, forest Left: forest	Yes	No
1O	02-JJ	Ephemeral	Waters 1O is an ephemeral channel located east of Old Branch Avenue and north of Manchester Drive that flows north to Waters 1P.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
1OO	02-HH	Intermittent	Waters 1OO is an intermittent channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows north into Waters 1Q.	-	Silt, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1P	02-II	Intermittent	Waters 1P is an intermittent channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows north to Waters 1Q.	-	Silt, cobble, sand, gravel Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
1PP	02-GG	Ephemeral	Waters 1PP is an ephemeral channel located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south that flows northeast to Waters 1OO.	-	Sand, gravel Width: 1 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1Q	02-EE	Perennial	Waters 1Q is a perennial channel located south of the I-495/MD 5 interchange and north of Manchester Drive that flows east from outside the study area through culverts under MD 5 and Old Branch Avenue.	-	Silt, sand, gravel, concrete, riprap Width: 15-20 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	Yes
1Q_1							Yes	Yes
1Q_C							Yes	Yes
1QQ	02-FF	PFO	Wetland 1QQ is a PFO located east of Old Branch Avenue and west of the exit ramp from the I-495 outer loop to MD 5 south, in the floodplain of Waters 1Q.	Red maple American elm Rambler rose (<i>Rosa multiflora</i>) Ash-leaf maple (<i>Acer negundo</i>) Southern arrow-wood English ivy Sweet wood-reed Eastern poison ivy Horsebrier	-	-	Yes	Yes
1R	02-CC	Perennial	Waters 1R is a perennial channel that originates in the southwest cloverleaf of the MD 5/I-495 interchange and flows southeast along southbound MD 5 into Waters 1Q.	-	Silt, sand, gravel, riprap Width: 5 ft Depth: 1 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
1R_1							Yes	Yes
1R_C							Yes	Yes
1RR	-	Intermittent	Waters 1RR is an intermittent channel located north of the I-495 inner loop and west of Keppler Road that originates at a culvert along I-495 and flows north outside of the study area.	-	Sand, gravel, cobble Width: 5-10 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
1SS	-	Ephemeral	Waters 1SS is an ephemeral channel located north of the I-495 inner loop and west of Keppler Road that flows west through a culvert into Waters 1RR.	-	Sand, gravel, loamy soil Width: 2 ft Depth: 6-10 in	Right: forest Left: forest	Yes	No
1SS_C								
1T	02-Z	PSS	Wetland 1T is a palustrine scrub-shrub wetland (PSS) located in a depression south of the exit ramp from the I-495 outer loop to MD 5 south. Wetland 1T appears to be a swale, constructed within the upland interchange to infiltrate storm water, with no observed connection to downstream waters.	Black willow (<i>Salix nigra</i>) Sweet-gum Lamp rush Broad-leaf cat-tail Common reed	-	-	Yes	Yes
1TT	-	Intermittent	Waters 1TT is an intermittent channel located north of the I-495 inner loop and east of Henson Creek that originates at a concrete-lined drainage channel and flows northeast into Wetland 1UU.	-	Sand, gravel, muck Width: 3 ft Depth: 4 in	Right: forest Left: forest	Yes	Yes
1U	02-LL	Ephemeral	Waters 1U is an ephemeral channel located west of the on ramp from MD 5 south to the I-495 outer loop that flows east to a culvert draining to Waters 1R.	-	Sand, gravel, riprap Width: 1-3 ft Depth: 1-4 ft	Right: forest, tall grass Left: forest	Yes	No
1U_C							Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
1UU	02-F	PFO	Wetland 1UU is a PFO located north of the I-495 inner loop and east of Beech Place, in the floodplain of Waters 1VV.	Red maple Sweet-gum Green ash Japanese stilt grass Swamp smartweed (<i>Persicaria hydropiperoides</i>) River-bank grape (<i>Vitis riparia</i>) Eastern poison ivy	-	-	Yes	Yes
1VV	-	Perennial	Waters 1VV is a perennial channel known as Henson Creek that crosses subsegment 1 west of the I-495/MD 5 interchange and east of Beech Place, flowing south through a culvert under I-495 and outside of the study area. Henson Creek also crosses subsegment 3 twice, where it is identified as Waters 3D and Waters 3S.	-	Silt, cobble, sand, gravel Width: 15-30 ft Depth: 2-6 ft	Right: forest Left: forest	Yes	Yes
1VV_1							Yes	Yes
1VV_C							Yes	Yes
1W	-	Perennial	Waters 1W is a perennial channel located north of the I-495 inner loop and southwest of Beech Place that originates at a culvert within the study area and flows south into Waters 1D.	-	Sand, cobble, riprap Width: 10 ft Depth: 3 ft	Right: emergent vegetation Left: forest	Yes	Yes
1WW	-	PEM	Wetland 1WW is a PEM located north of the I-495 inner loop and east of Beech Place that abuts Wetland 1C.	Sweet-gum Japanese stilt grass Swamp smartweed Japanese honeysuckle Horsebrier	-	-	Yes	Yes
1X	-	Ephemeral	Waters 1X is an ephemeral channel located west of the on ramp from MD 5 south to the I-495 inner loop that flows south into Waters 1A.	-	Sand, gravel Width: 3 ft Depth: 2 ft	Right: old field Left: old field	Yes	No
1XX	-	Ephemeral	Waters 1XX is an ephemeral channel located north of the I-495 inner loop and east of Beech Place that becomes an intermittent channel prior to its confluence with Waters 1VV.	-	Silt, sand, gravel Width: 2-4 ft Depth: 6 in – 3 ft	Right: forest Left: forest	Yes	No
1XX_1	-	Intermittent					Yes	Yes
1Y	-	Ephemeral	Waters 1Y is an ephemeral channel located north of the I-495 inner loop and southwest of Beech Place that originates at a culvert along I-495 and flows north into Waters 1D.	-	Cobble, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
1YY	-	Intermittent	Waters 1YY is an intermittent channel located south of the I-495 outer loop and northeast of Keppler Place that flows southwest into Waters 1VV.	-	Sand, gravel, concrete, riprap Width: 4 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
1Z	-	Intermittent	Waters 1Z is an intermittent channel located north of the I-495 inner loop and east of Temple Hill Road that originates at a headcut within Waters 1M and flows north outside of the study area.	-	Cobble, sand, gravel Width: 15ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
1ZZ	-	PFO	Wetland 1ZZ is a PFO located south of the I-495 outer loop and north of Henson Drive that abuts Waters 1AAA and Wetland 1BBB.	Sweet-gum American elm Northern spicebush Green ash Japanese stilt grass Eastern poison ivy River-bank grape	-	-	Yes	Yes
Subsegment 2								
2A	02-KK	Ephemeral	Waters 2A is an ephemeral channel located east of the on ramp from northbound MD 5 to the I-495 outer loop that flows southwest to Waters 2Y.	-	Sand, gravel, cobble Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	No
2AA	-	Intermittent	Waters 2AA is an intermittent channel located west of the on ramp from MD 218 to the I-495 inner loop that flows southwest from Wetland 2O into Waters 2V.	-	Sand, gravel, concrete Width: 1.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2B	W4PG	PFO	Wetland 2B is a PFO swale located east of Carswell Avenue and south of the I-495 outer loop that drains southwest to Waters 2H.	Red maple Sweet-gum River birch (<i>Betula nigra</i>) Pin oak (<i>Quercus palustris</i>) Wand panic grass	-	-	Yes	Yes
2BB	-	PFO	Wetland 2BB is a PFO located west of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2V and Wetland 2CC.	Red maple Sweet-gum American holly Unknown sedge species Eastern poison ivy	-	-	Yes	Yes
2C	-	PFO	Wetland 2C is a PFO located east of the on ramp from MD 5 to the I-495 outer loop, in the floodplain of Waters 1Q.	Sweet-gum Red maple Northern spicebush Sweet wood-reed Japanese stilt grass Deer-tongue rosette grass Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
2CC	-	PEM	Wetland 2CC is a PEM located west of the on ramp from MD 218 to the I-495 inner loop that abuts Wetland 2BB and Waters 2V.	Sweet-gum Lamp rush Blunt spike-rush (<i>Eleocharis obtusa</i>) Crimson-eyed rose mallow (<i>Hibiscus moscheutos</i>) Broom rosette grass (<i>Dichantheium scoparium</i>) Climbing hempvine (<i>Mikania scandens</i>)	-	-	Yes	Yes
2D	02-MM	Ephemeral	Waters 2D is an ephemeral channel located south of the I-495 outer loop and north of Manchester Drive that flows southeast into Waters 2E.	-	Silt, cobble, sand, gravel Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	No
2DD	-	PFO	Wetland 2DD is a PFO located west of the on ramp from MD 218 to the I-495 inner loop, adjacent to Wetland 2P.	Black willow Sweet-gum Common persimmon Wand panic grass Japanese honeysuckle Chinese silver grass (<i>Miscanthus sinensis</i>) Eastern poison ivy	-	-	Yes	Yes
2E	-	Intermittent	Waters 2E is an intermittent channel located south of the I-495 outer loop and north of Manchester Drive that flows southeast from Waters 2D into Waters 2X.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
2EE	-	PFO	Wetland 2EE is a PFO located east of Walton Ave and north of the I-495 inner loop, adjacent to Waters 2R.	Red maple Willow oak (<i>Quercus phellos</i>) Sweet-gum Slender wood-oats (<i>Chasmanthium laxum</i>) Deer-tongue rosette grass Japanese stilt grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
2F	W2PG	Intermittent	Waters 2F is an intermittent channel located south of the I-495 outer loop and west of the Auth Road overpass that flows west from a pipe culvert under I-495 into Waters 2MM. The feature is considered a ditch from the culvert outlet until it abuts Wetland 2G before flowing into Waters 2MM.	-	Silt, cobble Width: 4 ft Depth: 6 in	Right: forest, mowed lawn Left: forest	Yes	Yes
2F_C							Yes	Yes
2F_D							No	Yes
2FF	02-B	PEM	Wetland 2FF is a PEM located in a ditch southeast of Oakland Way and north of the I-495 inner loop.	Saw-tooth blackberry (<i>Rubus argutus</i>) Broad-leaf cat-tail	-	-	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2G	02-NN	PFO	Wetland 2G is a series of PFO benches located south of the I-495 outer loop and west of the Auth Road overpass along Waters 2F.	Red maple Sweet-gum Netted chain fern Horsebrier	-	-	Yes	Yes
2GG	02-A	PEM	Wetland 2GG is a PEM located in a ditch south of Clacton Avenue and north of the I-495 inner loop.	Narrow-leaf cat-tail (<i>Typha angustifolia</i>) Shallow sedge (<i>Carex lurida</i>) Japanese honeysuckle	-	-	No	Yes
2H	-	Intermittent	Waters 2H is an intermittent channel located south of the I-495 outer loop and east of Carswell Avenue that flows southwest from Wetland 2B into Waters 2I.	-	Concrete Width: 2 ft Depth 1 ft	Right: forest Left: forest	Yes	Yes
2HH	-	Intermittent	Waters 2HH is an intermittent ditch located south of Calcton Avenue and north of the I-495 inner loop that flows from Wetland GG through a culvert under I-495 into Waters 2MM.	-	Sand, gravel, cobble, concrete Width: 2 ft Depth: 1 ft	Right: forest Left: paved road	No	Yes
2HH_C							No	Yes
2I	-	Intermittent	Waters 2I is an intermittent ditch located south of the I-495 outer loop and east of Carswell Avenue that flows east from a culvert along Morris Avenue and into Waters 2R through a culvert under I-495. Waters 2I_C receives input from Waters 2H and Waters 2I.	-	Sand, gravel, concrete Width: 6 ft Depth: 1 ft	Right: forest Left: forest	No	Yes
2I_C							Yes	Yes
2II	-	PFO	Wetland 2II is a PFO seep located south of Hill Way and north of the I-495 inner loop that abuts Waters 2JJ.	Red maple Sweet-bay Green ash Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2J	03-W	Perennial	Waters 2J is a perennial channel located west of the on ramp from MD 218 to the I-495 inner loop that originates from a culvert outside of the study area and flows north out of the study area through a pipe under I-495.	-	Sand, gravel Width: 8 ft Depth: 2 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
2J_1							Yes	Yes
2J_C							Yes	Yes
2JJ	-	Intermittent	Waters 2JJ is an intermittent channel located south of Hill Way and north of the I-495 inner loop that flows east from Wetland 2II into Waters 2X.	-	Silt, sand, muck, gravel, concrete Width: 3 ft Depth: 6 in	Right: forest Left: forest, mowed lawn	Yes	Yes
2K	W5PG	PEM	Wetland 2K is a PEM bench located west of the exit ramp from the I-495 outer loop to MD 337 that abuts Waters 2L and 2J.	Black elder (<i>Sambucus nigra</i>) Sweet-gum Lamp rush Wand panic grass White panicled American-aster (<i>Symphotrichum lanceolatum</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2KK	-	PEM	Wetland 2KK is an isolated PEM located west of Mercedes Boulevard and east of the exit ramp from the I-495 inner loop to Auth Road.	Sweet-gum Willow oak Common reed Eastern poison ivy Virginia-creeper Horsebrier Amur peppervine (<i>Ampelopsis brevipedunculata</i>)	-	-	Yes	Yes
2L	03-AA	Intermittent	Waters 2L is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows southwest from Wetland 2M into Waters 2J.	-	Sand, gravel Width: 3.5 ft Depth: 1 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2LL	-	PFO	Wetland 2LL is a PFO located northwest of Melford Avenue and south of the I-495 outer loop.	Red maple Sweet-gum Black tupelo Japanese stilt grass White grass Horsebrier	-	-	Yes	Yes
2M	03-BB	PFO	Wetland 2M is a PFO located south of the exit ramp from the I-495 outer loop to MD 337 that abuts Waters 2L, 2QQ, and 2PP.	Red maple Southern arrow-wood Black elder Unknown aster species (<i>Symphytotrichum</i> sp.) Sweet wood-reed Horsebrier Eastern poison ivy	-	-	Yes	Yes
2MM	-	Perennial	Waters 2MM is a perennial channel located north of Gunston Lane and south of the I-495 outer loop that originates at a culvert and flows south outside the study area.	-	Silt, sand, gravel, cobble Width: 5-12 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
2N	-	POW	Waters 2N is a POW stormwater management feature located in line with Wetland 2M, south of the exit ramp from I-495 outer loop to MD 337.	-	Silt, sand, cobble, gravel, riprap Width: 20 ft Depth: 6 in	Right: forest, paved road Left: forest, paved road	Yes	Yes
2NN	-	PFO	Wetland 2NN is a PFO depression located north of Manchester Drive and south of the I-495 outer loop, adjacent to Waters 2X.	Red maple Sweet-gum Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
2O	03-XX	PFO	Wetland 2O is a PFO located north of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2AA.	Red maple Virginia pine (<i>Pinus virginiana</i>) Highbush blueberry (<i>Vaccinium corymbosum</i>) American holly Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
2OO	-	Ephemeral	Waters 2OO is an ephemeral channel located north of Manchester Drive and south of the I-495 outer loop that flows southwest into Wetland 2NN.	-	Sand, gravel, cobble Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
2P	03-V	PEM	Wetland 2P is a PEM located northwest of the on ramp from MD 218 to the I-495 inner loop that abuts Waters 2J.	Lamp rush Broom rosette grass Wand panic grass	-	-	Yes	Yes
2PP	-	Intermittent	Waters 2PP is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows north from Wetland 2M into Waters 2L.	-	Silt, sand, muck, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
2Q	03-X	PSS	Wetland 2Q is a PSS ditch located southeast of the terminus of Walton Avenue and north of the I-495 inner loop that abuts Waters 2R.	Willow oak Sweet-gum Reed canary grass (<i>Phalaris arundinacea</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2QQ	-	Intermittent	Waters 2QQ is an intermittent channel located south of the exit ramp from the I-495 outer loop to MD 337 that flows west through Wetland 2M into Waters 2L.	-	Silt, sand, muck, gravel Width: 3 ft Depth 6 in	Right: forest Left: forest	Yes	Yes
2R	W3PG	Perennial	Waters 2R is a perennial channel located southeast of the terminus of Walton Avenue and north of the I-495 inner loop that flows north from a culvert under I-495 and out of the study area.	-	Sand, gravel, muck, rubble Width: 7 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
2RR	-	PSS	Wetland 2RR is a PSS located southwest of the exit ramp from the I-495 outer loop to MD 337, in the floodplain of Waters 2J.	Southern arrow-wood Common reed Rice cut grass (<i>Leersia oryzoides</i>) American burr-reed (<i>Sparganium americanum</i>)	-	-	Yes	Yes
2S	03-Z	PFO	Wetland 2S is a PFO located south of Walton Avenue and north of the I-495 inner loop, in the floodplain of Waters 2T.	Red maple Sweet-gum Highbush blueberry Japanese honeysuckle Horsebrier	-	-	Yes	Yes
2SS	-	PFO	Wetland 2SS is an isolated PFO swale located southwest of the exit ramp from the I-495 outer loop to MD 337, adjacent to Waters 2J.	Red maple Sweet-gum American elm Green ash	-	-	Yes	Yes
2T	03-Y	Intermittent	Waters 2T is an intermittent channel located north of the I-495 inner loop and south of Walton Avenue that flows northeast from Wetlands 2U and 2S into Waters 2R.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
2TT	-	PEM	Wetland 2TT is a PEM located northeast of the exit ramp from the I-495 outer loop to MD 337.	Common reed Rough barnyard grass Floating primrose-willow (<i>Ludwigia peploides</i>)	-	-	Yes	Yes
2U	-	PFO	Wetland 2U is PFO located north of the I-495 inner loop and south of Walton Avenue that abuts Waters 2T.	Red maple Sweet-gum Sweet wood-reed Japanese stilt grass Eastern poison ivy Rambler rose Horsebrier	-	-	Yes	Yes
2UU	-	Intermittent	Waters 2UU is an intermittent channel located east of the exit ramp from northbound MD 5 to Deerpond Lane that originates at a culvert along MD 5 and flows northeast outside of the study area.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
2V	-	Perennial	Waters 2V is a perennial channel located north of the on ramp from MD 218 to the I-495 inner loop that originates at a culvert along the roadway and flows north into Wetland 2CC.	-	Sand, gravel, concrete Width: 4 ft Depth: 1.5 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
2VV	-	Intermittent	Waters 2VV is an intermittent channel located east of the exit ramp from northbound MD 5 to Deerpond Lane that originates at a culvert along MD 5 and flows north outside of the study area.	-	Cobble, gravel Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
2W	-	Intermittent	Waters 2W is an intermittent ditch located north of the I-495 inner loop and south of Oakland Way that flows west into Waters 2X.	-	Concrete Width: 1.5 ft Depth: 2 ft	Right: forest, emergent vegetation Left: forest	No	Yes
2W_C							No	Yes
2WW	-	PFO	Wetland 2WW is a PFO located east of the exit ramp from northbound MD 5 to Deerpond Lane, adjacent to Waters 2UU and 2VV.	Red maple Sweet-gum American hornbeam Common reed Asian bittersweet (<i>Celastrus orbiculatus</i>) Horsebrier	-	-	Yes	Yes
2X	-	Perennial	Waters 2X is a perennial channel located east of the MD 5/I-495 interchange that originates from a culvert south of Silver Valley way, flows south through a second culvert under I-495, and continues outside of the study area.	-	Silt, sand, gravel, cobble, concrete Width: 3.5-12 ft Depth: 2-6 ft	Right: forest Left: forest	Yes	Yes
2X_1							Yes	Yes
2X_C							Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/ depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
2XX	-	PFO	Wetland 2XX is a PFO located northwest of Melford Avenue and south of the I-495 outer loop that abuts Wetland 2LL.	Red maple Sweet-gum American holly American beech Japanese stilt grass Pointed broom sedge (<i>Carex scoparia</i>)	-	-	Yes	Yes
2Y	-	Perennial	Waters 2Y is a perennial channel located east of the MD 5/I-495 interchange that flows southeast from a stormwater management facility, through a culvert under I-495, and out of the study area.	-	Sand, gravel, cobble, riprap Width: 4-18 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
2Y_1							Yes	Yes
2Y_C							Yes	Yes
2YY	-	Intermittent	Waters 2YY is an intermittent channel located east of a stormwater facility and south of Manchester Drive.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
2Z	-	Intermittent	Waters 2Z is an intermittent channel located north of the exit ramp from the I-495 inner loop to Auth Road that flows northeast from a stormwater management pond culvert into Waters 2Y.	-	Sand, gravel, cobble Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
2ZZ	-	Ephemeral	Waters 2ZZ is an ephemeral channel located west of Dear Pond Lane and east of MD 5. The channel appears to drain upland and flows from under MD 5 to outside of the study area.		Silt, cobble Width: 3-8 ft Depth: 8 in	Right: mowed lawn Left: hedgerow	Yes	No
Subsegment 3								
3A	03-U	Perennial	Waters 3A is a perennial channel located northeast of the intersection of MD 337 and MD 218 that originates outsideof the study area and flows southeast through a culvert under I-495.	-	Sand, gravel Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
3A_1							Yes	Yes
3A_C							Yes	Yes
3AA	W121PG	Perennial	Waters 3AA is a perennial channel located between Forestville Road and Suitland Parkway that flows northwestunder I-495 into Waters 3S.	-	Cobble, gravel, mud Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3AA_1							Yes	Yes
3AA_C							Yes	Yes
3AAA	-	PFO	Wetland 3AAA is a PFO located southwest of the ramp from the I-495 inner loop to Forestville Road, along the west bank of Waters 3D.	Red maple Sweet-gum Southern arrow-wood Amur honeysuckle River-bank wild rye (<i>Elymus riparius</i>) Japanese stilt grass Eastern poison ivy English ivy	-	-	Yes	Yes
3B	03-CC	PFO	Wetland 3B is a PFO located northeast of MD 218, between the I-495 outer loop and MD 337, that abuts Waters 3A.	Red maple Sweet-bay Sweet-gum Green ash English ivy Eastern poison ivy Fox grape (<i>Vitis labrusca</i>) Japanese honeysuckle	-	-	Yes	Yes
3BB	03-M	Ephemeral	Waters 3BB is an ephemeral channel located southwest of the I-495/Suitland Parkway interchange that originates at a non-jurisdictional concrete-lined channel and flows northeast to Waters 3AA.	-	Silt, sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: mowed lawn	Yes	No
3BBB	-	Intermittent	Waters 3BBB is an intermittent channel located between MD 337 and the I-495 outer loop north of Forestville Roadthat flows north from Wetland 3DDD into Waters 3AA.	-	Cobble, sand, gravel Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/ depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction	
3C	-	PEM	Wetland 3C is a PEM located northeast of MD 218, between the I-495 outer loop and MD 337, that abuts Waters 3A.	Black willow Unknown sedge species Marsh primrose-willow (<i>Ludwigia palustris</i>) Dock-leaf smartweed (<i>Persicaria lapathifolia</i>)	-	-	Yes	Yes	
3CC	03-P	Intermittent	Waters 3CC is an intermittent channel located southwest of the exit ramp from the I-495 inner loop to ForestvilleRoad that originates at a pipe culvert under I-495 and flows southwest to Waters 3D (Henson Creek).	-	Silt, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest, mowed grass	No	Yes	
3CCC	-	Ephemeral	Waters 3CCC is an ephemeral channel located between MD 337 and the I-495 outer loop north of ForestvilleRoad that flows northwest into Waters 3BBB.	-	Cobble, sand, gravel Width: 3 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	No	
3D	03-Q	Perennial	See Waters 1VV.					Yes	Yes
3D_1	03-Q							Yes	Yes
3D_C	03-Q							Yes	Yes
3DD	03-R	Perennial	Waters 3DD is a perennial channel located northwest of the I-495 inner loop and southeast of the terminus of Rena Road that flows northeast to Waters 3D.	-	Sand, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes	
3DDD	-	PFO	Wetland 3DDD is a PFO located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3BBB, 3CCC, and 3EEE.	Sweet-gum Willow oak Star sedge (<i>Carex echinata</i>) Eastern poison ivy Virginia-creeper	-	-	Yes	Yes	
3E	03-FF	PFO	Wetland 3E is a PFO swale located southeast of the I-495/Suitland Parkway interchange and west of MD 337 that abuts Waters 3F.	Sapling sized sweet-gum Black tupelo Southern arrow-wood Eastern poison ivy Japanese honeysuckle Horsebrier	-	-	Yes	Yes	
3EE	03-S	PFO	Wetland 3EE is a PFO located in the floodplain of Waters 3DD and 3VV, on a hill slope northwest of the I-495 inner loop and southeast of the terminus of Rena Road.	Red maple Sweet-bay Cinnamon fern Horsebrier Eastern poison ivy	-	-	Yes	Yes	
3EEE	-	Ephemeral	Waters 3EEE is an ephemeral channel located between MD 337 and the I-495 outer loop north of Forestville Road that flows northwest into Waters 3CCC.	-	Cobble, sand, gravel Width: 2 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	No	
3F	-	Ephemeral	Waters 3F is an ephemeral channel located southeast of the I-495/Suitland Parkway interchange and west of MD 337 that flows southwest to Wetland 3HHH.	-	Sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No	
3FF	03-T	PFO	Wetland 3FF is a PFO located along a sloped floodplain abutting Waters 3A, northeast of the intersection of Pickett Drive and MD 218, and north of the I-495 inner loop.	Green ash Red maple Black tupelo American holly Sweet-gum Lizard’s-tail (<i>Saururus cernuus</i>) Horsebrier	-	-	Yes	Yes	
3FFF	-	Intermittent	Waters 3FFF is an intermittent channel and ditch located between MD 337 and the I-495 outer loop north of Forestville Road that flows northeast from a non-jurisdictional concrete lined ephemeral channel into Waters 3AA. The feature is considered a ditch until it abuts Wetland 3GGG.	-	Sand, gravel, concrete Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes	
3FFF_D							No	Yes	

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3G	03-DD	PFO	Wetland 3G is a PFO located between I-495 and MD 337, southwest of Forestville Road in the floodplain of Waters 3D.	Sweet-gum Highbush blueberry Swamp deciduous-doghobble (<i>Eubotrys racemosa</i>) Sweet-bay Horsebrier Unknown sedge species	-	-	Yes	Yes
3GG	03-MM	PEM	Wetland 3GG is a PEM located in a swale east of the I-495 outer loop and west of the exit ramp from the I-495 outer loop to MD 4 south that abuts Wetland 3HH.	Groundseltree (<i>Baccharis halimifolia</i>) Narrow-leaf cat-tail Japanese honeysuckle	-	-	Yes	Yes
3GGG	-	PFO	Wetland 3GGG is a PFO located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3FFF.	Red maple Sweet-gum Southern arrow-wood Black tupelo White grass Star sedge Horsebrier Eastern poison ivy	-	-	Yes	Yes
3H	03-WW	Intermittent	Waters 3H is an intermittent channel located between I-495 and MD 337, southwest of Forestville Road that flows northeast to Waters 3D.	-	Sand, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3HH	03-NN	PFO	Wetland 3HH is a PFO located east of the I-495 outer loop and west of the exit ramp from the I-495 outer loop to MD 4 south that abuts Wetland 3GG.	Red maple Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3HHH	-	PFO	Wetland 3HHH is a PFO swale located between MD 337 and the I-495 outer loop north of Forestville Road that abuts Waters 3BBB.	Red maple Sweet-gum American holly Willow oak Eastern poison ivy Deer-tongue rosette grass Virginia-creeper Horsebrier	-	-	Yes	Yes
3I	03-EE	Intermittent	Waters 3I is an intermittent channel located in a roadside ditch south of the I-495 outer loop and southwest of the ramp from Forestville Road to MD 337, that flows southwest to from Wetland 3J into Waters 3D.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3II	03-PP	PEM	Wetland 3II is a PEM located in a ditch within the southeast cloverleaf of the MD 4/I-495 interchange that abuts Waters 3JJ.	Broad-leaf cat-tail	-	-	Yes	Yes
3III	-	PEM	Wetland 3III is a PEM located southwest of the I-495/Suitland Parkway interchange, abutting Wetland 3JJJ.	White grass Japanese stilt grass	-	-	Yes	Yes
3J	03-II	PEM	Wetland 3J is a PEM located in a partially concrete-lined ditch along the south side of the I-495 outer loop at the Forestville Road overpass.	Broad-leaf cat-tail Reed canary grass	-	-	Yes	Yes
3JJ	Mar-00	Intermittent	Waters 3JJ is an intermittent channel located within the southeast cloverleaf of the MD 4/I-495 interchange that flows west through a pipe to Waters 3LL.	-	Sand, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
3JJ_C							Yes	Yes
3JJ_C1							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3JJJ	-	PFO	Wetland 3JJJ is a PFO located southwest of I-495/ Suitland Parkway interchange, in the floodplain of Waters 3AA and 3S.	Sweet-gum Red maple Northern spicebush Japanese stilt grass Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
3K	-	PSS	Wetland 3K is a PSS swale located in the floodplain of Waters 3D, between I-495 and MD 337.	Sweet-gum Unknown grass species (<i>Poacea</i> sp.) Blunt broom sedge	-	-	Yes	Yes
3KKK	-	PSS	Wetland 3KKK is a PSS located northwest of the I-495/Suitland Parkway interchange, in the floodplain of Waters 3L and 3LLL.	Sweet-gum Deer-tongue rosette grass Eastern poison ivy	-	-	Yes	Yes
3L	W122PG	Perennial	Waters 3L is a perennial channel located north of Suitland Parkway that flows northwest through a culvert under I-495 into Waters 3S.	-	Sand Width: 7 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3L_1							Yes	Yes
3L_C							Yes	Yes
3LL	03-D	Intermittent	Waters 3LL is an intermittent channel located within the northwest and southwest cloverleaves of the MD 4/I-495 interchange that flows from the northwest cloverleaf, through a culvert under MD 4 into the southwest cloverleaf, and into Waters 3ZZ through a pipe under the I-495 on ramp.	-	Silt, sand, gravel, concrete Width: 7 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3LL_1							Yes	Yes
3LL_C							Yes	Yes
3LL_C1							Yes	Yes
3LLL	-	Ephemeral	Waters 3LLL is an ephemeral channel located northwest of the I-495/Suitland Parkway interchange that originates at a pipe culvert under Suitland Parkway and flows north through Wetland 3KKK into Waters 3L.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest, scrub-shrub wetland	Yes	No
3M	03-HH	PEM	Wetland 3M is a PEM located northeast of the I-495/Suitland Parkway interchange, along both banks of Waters 3L.	Sweet-gum Japanese stilt grass Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
3MMM	-	PEM	Wetland 3MMM is a PEM located on a hillslope northwest of the I-495/Suitland Parkway interchange, abutting Waters 3SS.	Groundseltree Lamp rush Unidentified sedge species Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3N	03-JJ	Intermittent	Waters 3N is an intermittent channel located northeast of the I-495/Suitland Parkway interchange that flows southwest to Waters 3L.	-	Sand, gravel Width: 4 ft Depth: 2 ft	Right: emergent vegetation Left: forest	Yes	Yes
3NN	W127PG	PEM	Wetland 3NN is a PEM located between the southbound I-495 on-ramp from MD 4 and the I-495 inner loop, abutting Wetland 3OO.	Groundseltree Broad-leaf cat-tail Lamp rush	-	-	Yes	Yes
3NNN	-	PFO	Wetland 3NNN is a PFO located northwest of the I-495/Suitland Parkway interchange that abuts Waters 3SS.	Sweet-gum Red maple Morrow's honeysuckle (<i>Lonicera morrowii</i>) Sticky-willy (<i>Galium aparine</i>) Eastern poison ivy	-	-	Yes	Yes
3O	03-KK	PFO	Wetland 3O is a PFO located northeast of the I-495/Suitland Parkway interchange that abuts Wetland 3P and Waters 3N.	River birch Sweet-gum Southern arrow-wood Sweet wood-reed Rambler rose Horsebrier Japanese honeysuckle	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
300	03-J	PFO	Wetland 300 is a PFO swale located between the southbound I-495 onramp from MD 4 and the I-495 inner loop that abuts Wetland 3NN.	Sweet-gum American elm Red maple Saw-tooth blackberry Amur honeysuckle White oldfield American-aster (<i>Symphyotrichum pilosum</i>) Japanese honeysuckle Eastern poison ivy Horsebrier Unknown grass species	-	-	Yes	Yes
3000	-	POW	Waters 3000 is an abandoned stormwater pond classified as a POW located northeast of the I-495/Suitland Parkway interchange.	-	Silt and sand Width: 45 ft Depth: Unknown	Right: forest Left: forest	Yes	Yes
3P	03-LL	PEM	Wetland 3P is a PEM located northeast of the I-495/Suitland Parkway interchange, within the limits of Wetland 3O.	Japanese stilt grass Rice cut grass	-	-	Yes	Yes
3PP	-	Ephemeral	Waters 3PP is an ephemeral channel located between the southbound I-495 on-ramp from MD 4 and the I-495 inner loop that flows north to a culvert under the I-495 on-ramp and into Waters 3RR.	-	Silt, sand, gravel, concrete Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3PP_C							Yes	No
3Q	W6PG	Ephemeral	Waters 3Q is an ephemeral channel located northeast of the I-495/Suitland Parkway interchange that flows southwest and dissipates into Wetland 3O.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3QQ	-	Ephemeral	Waters 3QQ is an ephemeral channel located southeast of the intersection of MD 4 and Forestville Road that flows west into Waters 3WW.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: mowed lawn, paved road Left: forest	Yes	No
3QQQ	-	PSS	Wetland 3QQQ is an isolated PSS located in a depression west of the southwest cloverleaf of the MD 4/I-495 interchange and north of Wetland 3SSS.	Saw-tooth blackberry Sweet-gum Common fox sedge (<i>Carex vulpinoidea</i>) Shallow sedge Indian strawberry (<i>Duchesnea indica</i>) Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3R	03-G	PSS	Wetland 3R is a PSS located northwest of the I-495/Suitland Parkway interchange, abutting the east bank of Waters 3S.	Black cherry (<i>Prunus serotina</i>) Sweet-gum Southern arrow-wood Sweet wood-reed Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
3RR	-	Ephemeral	Waters 3RR is an ephemeral channel located southwest of the southwest cloverleaf of the MD 4/I-495 interchange that flows north into Waters 3ZZ.		Silt, sand, partially concrete Width: 4 ft Depth: 1 ft	Right: mowed lawn, paved road Left: forest	Yes	No
3RRR	-	PFO	Wetland 3RRR is a PFO located southeast of the intersection of MD 4 and Forestville Road that abuts Waters 3XX.	Red maple Black tupelo Sweet-gum White grass Sensitive fern (<i>Onoclea sensibilis</i>) Virginia-creeper Horsebrier Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3S	W123PG	Perennial	See Waters 1VV.				Yes	Yes
3S_1							Yes	Yes
3S_2							Yes	Yes
3S_C							Yes	Yes
3S_C1							Yes	Yes
3SS	-	Intermittent	Waters 3SS is an intermittent channel located northwest of the I-495/Suitland Parkway interchange that flows southwest into Waters 3S.	-	Silt, cobble, sand, gravel Width: 5 ft Depth: 3.5 ft	Right: forest, commercial Left: forest	Yes	Yes
3SSS	-	PFO	Wetland 3SSS is an isolated PFO located along a gently sloping terrace west of the southwest cloverleaf of the MD 4/I-495 interchange and south of Wetland 3QQQ.	Red maple Sweet-gum Black tupelo Highbush blueberry Japanese stilt grass Swan’s sedge (<i>Carex swanii</i>) Horsebrier	-	-	Yes	Yes
3T	03-F	PFO	Wetland 3T is a PFO located along a hill slope northwest of the I-495/Suitland Parkway interchange that abuts Waters 3L and 3S.	Red maple Japanese stilt grass Orange day-lily (<i>Hemerocallis fulva</i>) Eastern poison ivy	-	-	Yes	Yes
3TT	-	Perennial	Waters 3TT is a perennial channel located northeast of the I-495/Suitland Parkway interchange that flows southwest from a culvert and dissipates into Wetland 3O.	-	Sand, gravel; upstream portion is concrete-lined Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3U	03-E	Intermittent	Waters 3U is an intermittent channel located northwest of the I-495 inner loop and south of Penn Belt Place that begins at a head cut at a non-jurisdictional concrete-lined channel and flows southwest to Waters 3S.	-	Sand, gravel Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
3UU	-	Intermittent	Waters 3UU is an intermittent channel located northwest of the exit ramp from the I-495 inner loop to Forestville Road that flows northwest from a culvert into Waters 3D.	-	Sand, gravel; upstream portion is concrete-lined Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3V	03-H	PFO	Wetland 3V is a PFO located northwest of the I-495/Suitland Parkway interchange, abutting Waters 3L and Wetland 3KKK.	Red maple Sweet-gum Black tupelo Japanese honeysuckle Eastern poison ivy Mild water-pepper (<i>Persicaria hydropiper</i>) Unknown aster species (<i>Aster</i> sp.) Sweet wood-reed	-	-	Yes	Yes
3VV	-	Perennial	Waters 3VV is a perennial channel located northwest of the I-495 inner loop and southwest of the terminus of Rena Road that flows east from outside the study area into Waters 3DD.	-	Silt, cobble, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
3W	03-I	PFO	Wetland 3W is a PFO located northwest of the I-495/Suitland Parkway interchange, abutting Waters 3S.	Sweet-gum Tuliptree Black tupelo Green ash Sweet-bay Southern arrow-wood Sweet wood-reed Skunk-cabbage Horsebrier Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
3WW	-	Perennial	Waters 3WW is a perennial channel located southeast of the intersection of MD 4 and Forestville Road that flows south from a culvert under MD 4 and outside of the study area.	-	Sand, gravel; upstream portion is concrete lined Width: 5 ft Depth: 3-5 ft	Right: forest, mowed lawn, commercial Left: forest	Yes	Yes
3X	03-K	PFO	Wetland 3X is a PFO located within the forested median of Suitland Parkway, west of the I-495 inner loop that abuts Waters 3S.	Sweet-gum Pin oak Red maple Southern arrow-wood Sweet wood-reed Deer-tongue rosette grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
3XX	-	Intermittent	Waters 3XX is an intermittent channel located southeast of the intersection of MD 4 and Forestville Road that drains Wetland 3RRR and flows southwest into Waters 3WW.	-	Silt, sand, muck Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
3Y	03-L	PFO	Wetland 3Y is a PFO located southwest of the I-495/Suitland Parkway interchange that abuts both banks of Waters 3S.	Sweet-gum Red maple American holly Saw-tooth blackberry Japanese stilt grass Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
3Z	03-O	Ephemeral	Waters 3Z is an ephemeral channel located southwest of the I-495/Suitland Parkway interchange that conveys runoff from Suitland Parkway and flows into Wetland 3Y.	-	Sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
3ZZ	-	Perennial	Waters 3ZZ is a perennial channel located west of the on ramp from MD 4 to the I-495 inner loop that flows southwest beyond the study area.	-	Concrete-lined at culvert; sand and gravel downstream Width: 10 ft Depth: 5-7 ft	Right: forest Left: forest	Yes	Yes
Subsegment 4								
4A	03-SS	PEM	Wetland 4A is a PEM located north of MD 4 and west of the on-ramp from MD 4 north to the I-495 outer loop.	Black elder Narrow-leaf cat-tail Three-square (<i>Schoenoplectus pungens</i>) Virginia-creeper	-	-	Yes	Yes
4AA	04-T	Intermittent	Waters 4AA is an intermittent channel located east of the I-495 outer loop and west of Bauman Drive that begins at a stormwater pipe under I-495 and flows east into Waters 4Z.	-	Silt, sand Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4AAA	-	PFO	Wetland 4AAA is a PFO located west of the I-495 inner loop and north of Darcy Road in the floodplain of Waters 4W.	Red maple River birch Sweet-gum Sweet-bay Highbush blueberry Japanese stilt grass Netted chain fern Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4AAAA	03-A	PFO	Wetland 4AAAA is a PFO depression located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that abuts Waters 4GGGG.	Red maple Sweet-gum Highbush blueberry Crow garlic Dark-green sedge (<i>Carex venusta</i>) Eastern poison ivy Horsebrier Fox grape	-	-	Yes	Yes
4AAAAA	-	PEM	Wetland 4AAAAA is a PEM located east of the I 495 outer loop and west of West Grove, adjacent to 4BBBBB and 4CCCCC, and drains into 4ZZZZ.	Black willow Broad-leaf-cat-tail Woolgrass (<i>Scirpus cyperinus</i>)	-	-	Yes	Yes
4B	04-Z	Intermittent	Waters 4B is an intermittent channel located east of the I-495 outer loop and southwest of Darcy Road that flows northwest to a culvert under I-495 and into Waters 4TTT.	-	Silt, sand, cobble, gravel Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4B_C							Yes	Yes
4BB	04-CC	PFO	Wetland 4BB is a PFO located east of the I-495 outer loop and west of Bauman Drive that abuts Waters 4AA and Waters 4Z.	Pin oak Sweet-gum Reed canary grass Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
4BBB	04-C	Perennial	Waters 4BBB is a perennial channel located west of the I-495 inner loop and north of Darcy Road that flows northwest from a stormwater pipe under I-495 into Wetland 4DDD.	-	Sand, gravel, riprap Width: 2-6 ft Depth: 2.5 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
4BBB_1							Yes	Yes
4BBB_C							Yes	Yes
4BBBB	03-B	Ephemeral	Waters 4BBBB is an ephemeral channel located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that flows north into Wetland 4AAAA.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4BBBBB	-	POW	Waters 4BBBBB is a POW located located east of the I 495 outer loop and west of West Grove, adjacent to 4AAAAA and 4CCCCC.	-	Silt, sand, gravel Width: 30 ft Length: 50 ft	Right: Old field Left: Old field	Yes	Yes
4C	-	Ephemeral	Waters 4C is an ephemeral channel located east of the I-495 outer loop and southwest of Darcy Road that flows southwest into Waters 4B.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4CC	04-FF	PEM	Wetland 4CC is a PEM swale located east of the I-495 outer loop and west of Bauman Drive.	Red maple Sweet-gum Narrow-leaf cat-tail Rice cut grass	-	-	Yes	Yes
4CCC	-	PEM	Wetland 4CCC is a PEM located west of the I-495 inner loop and north of Darcy Road within the floodplain of Waters 4BBB.	Highbush blueberry Black willow Rambler rose Sweet-gum American sycamore Lamp rush Rice cut grass Meadow false rye grass (<i>Schedonorus pratensis</i>)	-	-	Yes	Yes
4CCCC	03-C	PFO	Wetland 4CCCC is a PFO swale located northeast of the terminus of Marlboro Pike and west of the I-495 inner loop, abutting Waters 4DDDD.	American sycamore American elm Sweet-gum Saw-tooth blackberry English ivy Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4CCCC	-	POW	Waters 4CCCC is a POW located located east of the I 495 outer loop and west of West Grove, adjacent to 4AAAAA and 4BBBBB.	-	Silt, sand, gravel Width: 40 ft Length: 50 ft	Right: Old field Left: Old field	Yes	Yes
4D	-	PFO	Wetland 4D is a PFO swale located east of the I-495 outer loop and southwest of Darcy Road that abuts Waters 4B.	Red maple Brookside alder (<i>Alnus serrulata</i>) Highbush blueberry Unknown sedge species Deer-tongue rosette grass Spreading bent (<i>Agrostis stolonifera</i>) Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4DD	-	PEM	Wetland 4DD is a PEM depression located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4EE.	Broad-leaf-cat-tail Tall false rye grass	-	-	Yes	Yes
4DDD	-	PFO	Wetland 4DDD is a PFO located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4HHH and 4BBB.	American sycamore Sweet-gum American beech Common pawpaw (<i>Asimina triloba</i>) Small-spike false nettle (<i>Boehmeria cylindrica</i>) Rice cut grass	-	-	Yes	Yes
4DDDD	W92PG	Intermittent	Waters 4DDDD is an intermittent channel located west of the I-495 inner loop and northeast of the terminus of Marlboro Pike that flows northwest from a pipe culvert under I-495 and outside the study area.	-	Sand, gravel Width: 5 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
4DDDD_1							Yes	Yes
4DDDD_C							Yes	Yes
4E	04-Y	Intermittent	Waters 4E is an intermittent channel located east of the I-495 outer loop and southwest of Darcy Road that flows northwest through a culvert under I-495 into Waters 4JJJJ.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4E_C							Yes	Yes
4EE	-	Perennial	Waters 4EE is a perennial channel located west of the I-495 inner loop and north of Darcy Road that flows southwest into Waters 4W.	-	Cobble, gravel, silt, sand Width: 3 ft Depth: 1.5 ft	Right/Left: tall grass, scrub-shrub vegetation	Yes	Yes
4EEE	-	PEM	Wetland 4EEE is a PEM located west of the I-495 inner loop and north of Darcy Road that abuts Wetland 4DDD and 4HHH.	Sweet-gum American sycamore Rice cut grass Shallow sedge	-	-	Yes	Yes
4EEEE	-	PFO	Wetland 4EEEE is a PFO located in the floodplain of Waters 4DDDD, west of the I-495 inner loop and northeast of the terminus of Marlboro Pike.	Red maple Virginia-creeper Fowl manna grass (<i>Glyceria striata</i>) Horsebrier	-	-	Yes	Yes
4F	-	PFO	Wetland 4F is a PFO swale located east of the I-495 outer loop and southwest of Darcy Road that abuts Waters 4E.	Red maple Southern arrow-wood American elm Black elder Unknown grass species (<i>Poa</i> sp.) Deer-tongue rosette grass Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4FF	04-GG	Ephemeral	Waters 4FF is an ephemeral channel located south of the exit ramp from I-495 northbound to Ritchie Marlboro Road that flows west into Waters 4Z.	-	Cobble, silt, sand Width: 2-3 ft Depth: 3 in	Right: scrub-shrub Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4FFF	-	PFO	Wetland 4FFF is a PFO located west of the I-495 inner loop and north of Darcy Road that abuts Waters 4W.	American sycamore Sweet-gum Japanese stilt grass Virginia-creeper White grass	-	-	Yes	Yes
4FFFF	-	PFO	Wetland 4FFFF is a PFO depression located west of the I-495 inner loop and northeast of the terminus of Marlboro Pike.	Red maple Sweet-gum Rice cut grass Common reed	-	-	Yes	Yes
4GG	-	Intermittent	Waters 4GG is an intermittent ditch and culvert located east of the I-495 outer loop and north of Pennsylvania Avenue that flows north along the roadway and through a pipe culvert under I-495 into Waters 4DDDD. Waters 4GG_C receives input from Waters 4GG and Waters 4J.	-	Concrete Width: 4 ft Depth: 2 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	No	Yes
4GG_C							Yes	Yes
4GGG	-	Ephemeral	Waters 4GGG is an ephemeral channel located west of the I-495 inner loop and north of Darcy Road that flows north into Wetland 4FFF.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
4GGGG	-	Perennial	Waters 4GGGG is a perennial channel located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop that flows northwest along Wetland 4AAAA and beyond the study area.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4H	-	Ephemeral	Waters 4H is an ephemeral channel located within the northeast cloverleaf of the MD 4/I 495 interchange that flows northwest through a culvert under I 495 into Waters 3LL.	-	Silt, cobble, gravel Width: 2 ft Depth: 6 in	Right: forest, tall grass Left: paved road	Yes	No
4H_C							Yes	No
4HH	-	PFO	Wetland 4HH is a PFO located east of the I-495 outer loop and north of Pennsylvania Avenue.	American elm Callery pear (<i>Pyrus calleryana</i>) Green ash Eastern poison ivy Common reed	-	-	Yes	Yes
4HHH	-	Intermittent	Waters 4HHH is an intermittent channel located west of the I-495 inner loop and north of Darcy Road that flows northwest from a pipe culvert under I-495 into Wetland 4DDD.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 1 ft	Right: emergent vegetation Left: emergent vegetation	Yes	Yes
4HHH_1							Yes	Yes
4HHH_C							Yes	Yes
4HHHH	-	PFO	Wetland 4HHHH is a PFO swale located west of the I-495 inner loop and approximately 70 feet south of Darcy Road that abuts Waters 4TTT.	Red maple Tuliptree Sweet-gum Cinnamon fern White grass Broad-leaf cat-tail	-	-	Yes	Yes
4I	03-VV	PEM	Wetland 4I is a PEM ditch located within the northeast cloverleaf of the MD 4/I-495 interchange.	Narrow-leaf cat-tail	-	-	Yes	Yes
4II	-	PFO	Wetland 4II is a PFO located east of the I-495 outer loop and northwest of the terminus of Flowers Road that abuts Waters 4M.	Black willow Sweet-gum Green ash Virginia-creeper Fowl manna grass	-	-	Yes	Yes
4III	-	PEM	Wetland 4III is a PEM located west of the I-495 inner loop and east of Darcy Road, between Waters 4HHH and 4BBB.	Black willow Lamp rush Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4IIII	-	PFO	Wetland 4IIII is a PFO located west of the I-495 inner loop and southwest of the terminus of Hampton Park Boulevard, in the floodplain of Waters 4JJJJ.	Sweet-gum American beech Sweet-bay Cinnamon fern Horsebrier	-	-	Yes	Yes
4J	-	Ephemeral	Waters 4J is an ephemeral channel located east of the on ramp from MD 4 north to the I-495 outer loop that flows south into Waters 4GG.	-	Silt, cobble, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest, paved road Left: forest	Yes	No
4JJJ	-	PFO	Wetland 4JJJ is an isolated PFO swale located west of the I-495 inner loop and east of Darcy Road, north of Wetland 4III.	Sweet-gum White grass Deer-tongue rosette grass Horsebrier	-	-	Yes	Yes
4JJJJ	04-I	Perennial	Waters 4JJJJ is a perennial channel located west of the I-495 inner loop and south of Darcy Road that flows from a culvert under I-495 and continues northwest beyond the study area.	-	Silt, sand, gravel Width: 6 ft Depth: 2-20 ft	Right: forest Left: forest	Yes	Yes
4K	-	Intermittent	Waters 4K is an intermittent channel located east of the I-495 outer loop and west of Flowers Road that flows northeast and dissipates into Wetland 4KK.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest, paved road	Yes	Yes
4KK	-	PFO	Wetland 4KK is a PFO located east of the I-495 outer loop and southwest of the terminus of Flowers Road, in the floodplain of Waters 4M and 4LL.	Black tupelo Red maple Tuliptree Sweet-gum Virginia-creeper Cinnamon fern Sensitive fern	-	-	Yes	Yes
4KKK	-	PFO	Wetland 4KKK is a PFO located in the floodplain of Waters 4Z, south of the exit ramp from the I-495 outer loop to Ritchie Marlboro Road.	Sweet-gum Silky dogwood (<i>Cornus amomum</i>) Sweet wood-reed Eastern poison ivy Horsebrier Virginia-creeper	-	-	Yes	Yes
4KKKK	04-J	PFO	Wetland 4KKKK is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4JJJJ.	Sweet-gum Sweet-bay Southern arrow-wood Netted chain fern Cinnamon fern	-	-	Yes	Yes
4L	04-L	Intermittent	Waters 4L is an intermittent channel located east of the I-495 outer loop and west of Flowers Road that flows east from a pipe under I-495 into Waters 4M.	-	Silt, sand, gravel Width: 8 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
4LL	-	Perennial	Waters 4LL is perennial channel located east of the I-495 outer loop and southwest of the terminus of Flowers Road that abuts Wetland 4KK and flows northeast from outside the study area into Waters 4M.	-	Sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4LLL	-	PFO	Wetland 4LLL is a PFO located in the floodplain of Waters 4Z, east of the I-495 outer loop and west of Bauman Drive.	Red maple Sweet-gum Northern spicebush Rambler rose American holly Virginia-creeper northern lady fern (<i>Athyrium angustum</i>) Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4LLLL	-	Ephemeral	Waters 4LLLL is an ephemeral channel located west of the I-495 inner loop and south of Darcy Road that flows west into Wetland 4KKKK.	-	Sand, tree roots Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	No
4M	04-EE	Perennial	Waters 4M is a perennial channel located east of the I-95/I-495 outer loop and west of Flowers Road that flows into Waters 4PPPP.	-	Mud Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4M_C							Yes	Yes
4MM	W8PG	PFO	Wetland 4MM is a PFO located in the floodplain of Waters 4M on the east side of the I-495 outer loop and west of the terminus of Flowers Road.	Red maple Sweet-gum Virginia-creeper Cinnamon fern Horsebrier	-	-	Yes	Yes
4MMM	-	PFO	Wetland 4MMM is a PFO depression located east of the I-495 outer loop and west of Dogwood Park Street, adjacent to Waters 4Y.	Red maple Sweet-gum Virginia-creeper Eastern poison ivy Asian bittersweet	-	-	Yes	Yes
4MMMM	-	Ephemeral	Waters 4MMMM is an ephemeral channel located west of the I-495 inner loop and south of Darcy Road that flows northeast into Wetland 4NNNN.	-	Silt, sand Width: 3 ft Depth: 1 in	Right: forest Left: forest	Yes	No
4N	-	PFO	Wetland 4N is a PFO located east of the I-495 outer loop and west of Cherry Lane South, abutting Waters 4O.	Red maple Sweet-gum northern white oak (<i>Quercus alba</i>) Sweet bay Sweet wood-reed Japanese honeysuckle Horsebrier Eastern poison ivy	-	-	Yes	Yes
4NN	-	Intermittent	Waters 4NN is a man-made intermittent channel located east of the I-495 outer loop and west of West Grove that flows west from a non-jurisdictional stormwater management pond into Waters 4Q.	-	Riprap Width: 2 ft Depth: 6 in	Right: forest Left: emergent vegetation	Yes	Yes
4NNN	-	Intermittent	Waters 4NNN is an intermittent channel located in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection that flows northwest through a series of culverts and into Waters 4Z.	-	Silt, sand, gravel Width: 3-4 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
4NNN_1	04-N						Yes	Yes
4NNN_C	-						Yes	Yes
4NNNN	04-G	PFO	Wetland 4NNNN is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4MMMM and 4OOOO.	Sweet-gum Red maple Sweet-bay Skunk-cabbage Netted chain fern Horsebrier	-	-	Yes	Yes
4O	-	Intermittent	Waters 4O is an intermittent channel located east of the I-495 outer loop and west of Cherry Lane South that flows south into Waters 4PP.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4OO	-	Intermittent	Waters 4OO is an intermittent channel located east of the I-495 outer loop and west of West Grove that originates at Wetland 4R and flows south into Waters 4Q.	-	Silt Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4000	04-M	PFO	Wetland 4000 is a PFO located in the floodplain of Waters 4NNN in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection.	Black willow River birch Sweet-gum Northern spicebush Ash-leaf maple Japanese honeysuckle Eastern poison ivy Frost grape (<i>Vitis vulpina</i>)	-	-	Yes	Yes
40000	04-H	Intermittent	Waters 40000 is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows northeast from Wetland 4NNNN into Waters 4JJJJ.	-	Silt, sand, gravel Width: 3 ft Depth: 4-6 in	Right: forest Left: forest	Yes	Yes
4P	04-X	Ephemeral	Waters 4P is an ephemeral channel located east of the I-495 outer loop and west of Cherry Lane South that flows southwest into Waters 4O.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: mowed lawn Left: forest	Yes	No
4PP	-	Ephemeral	Waters 4PP is an ephemeral channel located east of the I-495 outer loop and west of West Grove that originates at Waters 4O and flows southwest into Wetland 4R.	-	Cobble, sand Width: 3 ft Depth: 2 in	Right: forest Left: forest	Yes	No
4PPP	-	PFO	Wetland 4PPP is a PFO located in the southeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 4Z.	American elm Tuliptree Northern spicebush Common winterberry (<i>Ilex verticillata</i>) Fowl manna grass Shallow sedge Eastern poison ivy Virginia-creeper	-	-	Yes	Yes
4PPPP	W90PG	Perennial	Waters 4PPPP is a perennial channel located west of the I-495 inner loop and east of Kaverton Road that flows northeast along I-495 into Waters 4Q.	-	Cobble, gravel Width: 5 ft Depth: 4 ft	Right: forest Left: paved road	Yes	Yes
4Q	04-W	Perennial	Waters 4Q (Ritchie Branch) is a perennial channel located north of the terminus of Flowers Road and east of Kaverton Road, that flows west through a culvert under I-495 and outside the study area.	-	Silt, cobble, sand, gravel, concrete Width: 6-15 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
4Q_1							Yes	Yes
4Q_C							Yes	Yes
4QQ	-	Intermittent	Waters 4QQ is an intermittent channel located east of the I-495 outer loop and west of the terminus of South Cherry Lane that flows southeast from Wetland 4N into Waters 4O.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 4 ft	Right: forest, paved road Left: forest	Yes	Yes
4QQQ	-	PEM	Wetland 4QQQ is a PEM located west of the I-495 inner loop and north of Darcy Road that abuts Wetland 4CCC.	Red maple Tuliptree Sweet-gum Common winterberry Leafy bulrush (<i>Scirpus polyphyllus</i>) Lamp rush Rice cut grass Horsebrier Virginia-creeper	-	-	Yes	Yes
4QQQQ	04-K	Intermittent	Waters 4QQQQ is an intermittent channel located west of the I-495 inner loop and east of Kaverton Road that begins at two concrete culverts and flows south into Waters 4Q.	-	Sand, gravel Width: 4 ft Depth: 6 in	Right: forest, industrial Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4R	-	PFO	Wetland 4R is a PFO located east of the I-495 outer loop and north of the terminus of Flowers Road that abuts Waters 4Q and 400.	Red maple Sweet-gum Northern spicebush Sweet wood-reed Japanese stilt grass Eastern poison ivy Japanese honeysuckle	-	-	Yes	Yes
4RR	-	PFO	Wetland 4RR is a PFO located east of the I-495 outer loop and west of the terminus of South Cherry Lane that abuts Waters 4P.	Sweet-gum Red maple Tuliptree Japanese stilt grass Japanese honeysuckle	-	-	Yes	Yes
4RRR	-	Intermittent	Waters 4RRR is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows southwest into Waters 4TTT.	-	Sand, muck Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4RRRR	-	PFO	Wetland 4RRRR is a PFO located on a hillslope west of the I-495 inner loop and south of Darcy Road that abuts Waters 4SSS.	Red maple American beech Northern spicebush Netted chain fern	-	-	Yes	Yes
4S	-	Ephemeral	Waters 4S is an ephemeral erosional feature located east of the I-495 outer loop and north of the terminus of Flowers Road that flows north into Waters 4Q.	-	Silt, cobble, sand, gravel, riprap Width: 2.5 ft Depth: 2.5 ft	Right: forest Left: forest, mowed lawn	Yes	No
4SS	-	PEM	Wetland 4SS is a beaver-impounded PEM located east of the I-495 outer loop and northwest of West Grove that abuts Waters 4Q.	Red maple Japanese stilt grass Rice cut grass	-	-	Yes	Yes
4SSS	-	PFO	Wetland 4SSS is a PFO located west of the I-495 inner loop and south of Darcy Road that abuts Waters 4RRR.	Sweet-gum Red maple Common winterberry Northern spicebush Cinnamon fern Rice cut grass Virginia-creeper Japanese honeysuckle Horsebrier	-	-	Yes	Yes
4SSSS	-	Intermittent	Waters 4SSSS is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows northeast from Wetland 4RRRR into Waters 4JJJJ.	-	Silt, sand, muck Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4T	04-BB	Intermittent	Waters 4T is an intermittent channel located east of the I-495 outer loop and northeast of Darcy Road that flows from Waters 4U northwest into a culvert under I-495 and into Waters 4BBB.	-	Silt, sand Width: 15 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
4T_C							Yes	Yes
4TT	-	Ephemeral	Waters 4TT is an ephemeral channel located east of the I-495 outer loop and south of Darcy Road that flows southwest into Waters 4B.	-	Sand, gravel Width: 4 ft Depth: 3 ft	Right: forest, emergent vegetationLeft: forest	Yes	No
4TTT	04-D	Perennial	Waters 4TTT is a perennial channel located west of the I-495 inner loop and south of Darcy Road that begins at a culvert under I-495 and flows northwest beyond the study area.	-	Cobble, sand, gravel, riprap, clay Width: 8 ft Depth 1-8 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
4TTTT_2	04-B	Intermittent	Waters 4TTTT is a channel with intermittent and perennial flow that originates at a stormwater management pond outfall in the southwestern quadrant of the I-495/Ritchie Marlboro Road intersection and flows north under Ritchie Marlboro Road, then east under I-495 into Waters 4Z.	-	Silt, sand, gravel, riprap Width: 5-15 ft Depth: 2 ft	Right: old field, forest Left: old field, forest	No	Yes
4TTTT_3		Perennial					Yes	Yes
4TTTT_C2		Perennial					Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4U	04-AA	Intermittent	Waters 4U is an intermittent channel located east of the I-495 outer loop and northeast of Darcy Road that flows northeast into Waters 4T.	-	Silt, sand, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4UU	-	PFO	Wetland 4UU is a PFO located east of the I-495 outer loop and south of Darcy Road that abuts Waters 4B.	Sweet-gum Red maple Virginia-creeper	-	-	Yes	Yes
4UUU	04-E	Intermittent	Waters 4UUU is an intermittent channel located west of the I-495 inner loop and south of Darcy Road that flows north through Wetland 4VVV into Waters 4TTT.	-	Silt, sand, gravel Width: 5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
4UUUU	-	Intermittent	Waters 4UUUU is an intermittent channel located west of the I-495 inner loop and northeast of Darcy Road that flows southeast from outside the study area into Waters 4BBB.	-	Silt, sand Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	Yes
4V	-	PFO	Wetland 4V is a PFO located east of the I-495 outer loop and northeast of Darcy Road within a swale along Waters 4U.	Red maple Sweet-gum Highbush blueberry Unknown grass species (<i>Poaceae</i> sp.) Sensitive fern Horsebrier	-	-	Yes	Yes
4VV	04-DD	PFO	Wetland 4VV is a PFO located east of the I-495 outer loop and south of Darcy Road that abuts Waters 4E.	Sweet-gum Red maple Deer-tongue rosette grass Virginia-creeper Horsebrier	-	-	Yes	Yes
4VVV	04-F	PFO	Wetland 4VVV is a PFO located west of the I-495 inner loop and south of Darcy Road that drains into Waters 4UUU.	Red maple Smooth winterberry (<i>Ilex laevigata</i>) Possumhaw (<i>Viburnum nudum</i>) Green hawthorn (<i>Crataegus viridis</i>) White grass Japanese honeysuckle	-	-	Yes	Yes
4VVVV	-	PEM	Wetland 4VVV is a PEM located southeast of the I-495 outer loop and west of Chestnut Oak Lane.	Lamp rush Wand panic grass Rough barnyard grass Chinese bush-clover (<i>Lespedeza cuneata</i>)	-	-	Yes	Yes
4W	W7PG	Perennial	Waters 4W is a perennial channel located south of Ritchie Marlboro Road and west of the terminus of Chestnut Oak Lane that flows west through culverts under I-495 and an access road and continues beyond the study area into the main stem of Ritchie Branch.	-	Gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
4W_1							Yes	Yes
4W_2							Yes	Yes
4W_C							Yes	Yes
4W_C1							Yes	Yes
4WW	-	PFO	Wetland 4WW is a PFO located east of the I-495 outer loop and west of Sansbury Road.	Black willow	-	-	Yes	Yes
4WWW	W125PG	PFO	Wetland 4WWW is a PFO swale located within the northwest cloverleaf of the MD 4/I-495 interchange that abuts Waters 3LL.	Willow oak Red maple Eastern poison ivy Arrow-leaf tearthumb (<i>Persicaria sagittata</i>)	-	-	Yes	Yes
4WWWW	-	PEM	Wetland 4WWWW is a PEM located southeast of the I-495 outer loop and west of Chestnut Oak Lane.	Broad-leaf cat-tail Wand panic grass Rough barnyard grass Straw-color flat sedge (<i>Cyperus strigosus</i>)	-	-	Yes	Yes
4X	-	Ephemeral	Waters 4X is an ephemeral channel located east of the I-495 outer loop and northeast of Darcy Road that flows north from Wetland 4YY into Waters 4W.	-	Cobble, gravel, sand Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
4XX	-	PFO	Wetland 4XX is a PFO located east of the I-495 outer loop and north of Darcy Road that abuts Waters 4T.	Red maple Sweet-gum Rice cut grass Horsebrier Japanese honeysuckle	-	-	Yes	Yes
4XXX	-	PFO	Wetland 4XXX is a PFO swale located within the northwest cloverleaf of the MD 4/I-495 interchange that abuts Waters 4YYY.	Sweet-gum American elm Groundseltree Three-square Wand panic grass	-	-	Yes	Yes
4XXXX	-	POW	Waters 4XXXX is a POW located east of the I 495 outer loop and west of West Grove, adjacent to Wetland 4YYYY, and upstream of Waters 4NN.	-	Silt, sand, gravel Width: 65 ft Length: 90 ft	Right: Scrub-shrub Left: Scrub-shrub	Yes	Yes
4Y	-	Ephemeral	Waters 4Y is an ephemeral channel located east of the I-495 outer loop and west of Bauman Drive that flows northeast into Waters 4Z.	-	Cobble, gravel, sand, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
4Y_D							Yes	No
4YY	-	PSS	Wetland 4YY is a wetland PSS located east of the I-495 outer loop and west of Sansbury Road that abuts Wetland 4ZZ.	Black willow Brookside alder Rice cut grass Arrow-leaf tearthumb	-	-	Yes	Yes
4YYY	-	Intermittent	Waters 4YYY is a concrete-lined, intermittent channel located within the northwest cloverleaf of the MD 4/I-495 interchange that flows southeast into Waters 3LL.	-	Concrete Width: 2 ft Depth: 1 ft	Right: forest, paved road Left: forest, tall grass	Yes	Yes
4YYYY	-	PSS	Wetland 4YYYY is a PSS located east of the I 495 outer loop and west of West Grove, downstream of Waters 4ZZZZ, upstream of Waters 4NN, and surrounds Waters 4XXXX.	Sweet-gum Lamp rush Japanese stilt grass	-	-	Yes	Yes
4Z	-	Perennial	Waters 4Z is a perennial channel originating east of the I-495 outer loop and west of Bauman Drive that flows northeast through several pipes in the southeast and northeast quadrants of the I-495/Ritchie Marlboro Road intersection and continues northeast beyond the study area.	-	Cobble, sand, gravel Width: 4-15 ft Depth: 3-6 ft	Right: forest Left: forest	Yes	Yes
4Z_1	04-O						Yes	Yes
4Z_2	04-O						Yes	Yes
4Z_3	04-O						Yes	Yes
4Z_C	-						Yes	Yes
4Z_C1	04-O						Yes	Yes
4Z_C2	04-O						Yes	Yes
4ZZ	-	PFO	Wetland 4ZZ is a PFO located east of the I-495 outer loop and west of Sansbury Road that abuts Wetland 4YY.	Sweet-gum Ash-leaf maple Highbush blueberry Tuliptree Brookside alder Cinnamon fern New York fern	-	-	Yes	Yes
4ZZZ	W19PG	PFO	Wetland 4ZZZ is a PFO located south of the intersection of Cryden Way and Kaverton Road and west of the I-495 inner loop.	Red maple Sweet-gum Black willow Sweet-bay Eastern marsh fern (<i>Thelypteris palustris</i>) Rice cut grass Horsebrier	-	-	Yes	Yes
4ZZZZ	-	Ephemeral	Waters 4ZZZZ is an ephemeral channel located east of the I-495 outer loop and west of West Grove, and flows from Wetland 4AAAAA to Wetland 4YYYY.	-	Silt, sand, gravel Width: 1-2 ft Depth: 0.5-1 ft	Right: Scrub-shrub and old field Left: Scrub-shrub and old field	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 5								
5A	04-P	PFO	Wetland 5A is a PFO swale located in the northeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 4Z.	Sweet-gum Bitter-nut hickory (<i>Carya cordiformis</i>) Leafy bulrush Japanese stilt grass Asiatic tearthumb (<i>Persicaria perfoliata</i>)	-	-	Yes	Yes
5AA	-	PSS	Wetland 5AA is a PSS located in the southwest quadrant of the I-495/MD 214 intersection that abuts Wetland 5Z.	Sweet-gum Groundseltree Shallow sedge Purple loosestrife (<i>Lythrum salicaria</i>)	-	-	Yes	Yes
5B	04-S	Intermittent	Waters 5B is an intermittent and ephemeral channel with an abutting wetland located in the northeast quadrant of the I-495/ Ritchie Marlboro Road intersection. Waters 5B becomes an intermittent channel prior to its confluence with Waters 4Z.	-	Silt, sand Width: 2-5 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
5B_1	-	Ephemeral					Yes	No
5BB	-	Intermittent	Waters 5BB is an intermittent channel located in the southwest quadrant of the I-495/MD 214 intersection that originates at a culvert draining a bioswale along I-495 and flows south into Wetland 5Z.	-	Silt, sand, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
5C	04-R	PFO	Wetland 5C is a PFO located in the northeast quadrant of the I-495/Ritchie Marlboro Road intersection that abuts Waters 5B.	Red maple American elm Green ash Sweet-gum White grass River-bank grape Eastern poison ivy Horsebrier	-	-	Yes	Yes
5CC	-	PFO	Wetland 5CC is a PFO located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Wetland 5DD.	Sweet-gum American sycamore Common pawpaw Red maple Eastern poison ivy	-	-	Yes	Yes
5DD	-	PEM	Wetland 5DD is a PEM located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Wetland 5CC.	Common persimmon Pennsylvania blackberry (<i>Rubus pensilvanicus</i>) Shallow sedge Lamp rush Tall goldenrod (<i>Solidago altissima</i>) White snakeroot (<i>Ageratina altissima</i>)	-	-	Yes	Yes
5E	04-A	PSS	Wetland 5E is a PSS located in the northwest quadrant of the I-495/Ritchie Marlboro Road intersection.	Black willow Sensitive fern	-	-	Yes	Yes
5EE		POW	Waters 5EE is a POW stormwater management pond located west of I-495 inner loop and southeast of Edgeworth Drive.	-	Silt, sand, and muck Width: 80 ft Length: 500 ft	Right: forest Left: Forest	Yes	Yes
5F	04-U	Perennial	Waters 5F is a perennial channel located east and west of I-495 between Castlewood Drive and Alaking Court that flows east through a culvert under I-495.	-	Silt, sand, riprap Width: 3-5 ft Depth: 4-12 in	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
5F_1							Yes	Yes
5F_C							Yes	Yes
5F_C1							Yes	Yes
5FF	-	Intermittent	Waters 5FF is an intermittent channel located west of the I-495 inner loop and southeast of Edgeworth Drive that flows east to a culvert under I-495 into Waters 5P.	-	Silt, sand, concrete Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
5FF_C							Yes	Yes
5G	-	PSS	Wetland 5G is a PSS located west of the exit ramp from the I-495 inner loop to Ritchie Marlboro Road and east of Alaking Court, in the floodplain of Waters 5F.	Black willow Rice cut grass Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
5GG	-	PFO	Wetland 5GG is a PFO located west of the I-495 inner loop and southeast of Edgeworth Drive that abuts Waters 5FF.	Sweet-gum Black elder Ash-leaf maple Sensitive fern Small-spike false nettle Japanese honeysuckle Asian bittersweet Horsebrier	-	-	Yes	Yes
5H	-	Perennial	Waters 5H is a perennial channel located west of the I-495 inner loop and north of Alaking Court that flows south along the study area.	-	Silt, sand, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
5HH	-	Intermittent	Waters 5HH is an intermittent channel located east of the I-495 outer loop and north of Pritchard Lane that originates at a culvert along I-495 and flows northeast outside the study area.	-	Silt, sand, gravel, muck, riprap Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5I	-	PFO	Wetland 5I is a PFO located west of the I-495 inner loop and north of Alaking Court, in the floodplain of Waters 5H.	Common pawpaw Ash-leaf maple Northern spicebush Spotted touch-me-not (<i>Impatiens capensis</i>) Small-spike false nettle Asian bittersweet Unknown grape species	-	-	Yes	Yes
5II	05-I	PFO	Wetland 5II is a PFO located east of the I-495 outer loop and north of Pritchard Lane that abuts Wetland 5LL and Waters 5HH.	Ash-leaf maple Sweet-gum Common persimmon Japanese stilt grass Eastern poison ivy Unknown grape species	-	-	Yes	Yes
5J	-	Intermittent	Waters 5J is an intermittent channel located east of the I-495 outer loop and southwest of Castlewood Drive that begins at a culvert and flows south into Waters 5F.	-	Silt, sand, cobble, riprap Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5JJ	-	Ephemeral	Waters 5JJ is an ephemeral channel located east of the I-495 outer loop and north of Pritchard Lane that flows east from a culvert along I-495 into Wetland 5II.	-	Silt, cobble, sand, gravel, riprap Width: 5 ft Depth: 20 ft	Right: forest Left: forest	Yes	No
5K	04-V	PFO	Wetland 5K is a PFO located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Waters 5F.	Green ash American sycamore Red maple Sweet-gum Common reed Japanese honeysuckle Virginia-creeper	-	-	Yes	Yes
5KK	-	Intermittent	Waters 5KK is an intermittent channel located east of the I-495 outer loop and southwest of Prince Place that flows east from a culvert along I-495 into Wetland 5II.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5L	-	PFO	Wetland 5L is a PFO seep located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Waters 5N and 5F.	Black willow American sycamore Ash-leaf maple Sweet-gum Harvestlice (<i>Agrimonia parviflora</i>) Shallow sedge Amur peppervine	-	-	Yes	Yes
5LL	-	PEM	Wetland 5LL is a PEM located east of the I-495 outer loop and southwest of Prince Place that abuts Wetland 5II.	Reed canary grass Japanese stilt grass Rambler rose	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
5M	-	PEM	Wetland 5M is a PEM seep located east of the I-495 outer loop and southwest of Castlewood Drive that abuts Wetland 5L and Waters 5F.	Lamp rush Shallow sedge Amur peppervine	-	-	Yes	Yes
5MM	-	Intermittent	Waters 5MM is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand, muck Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5N	-	Intermittent	Waters 5N is an intermittent channel located east of the I-495 outer loop and southwest of Castlewood Drive that flows south through Wetland 5L into Waters 5F.	-	Sand, gravel, riprap Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5NN	-	Intermittent	Waters 5NN is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5O	05-E	Ephemeral	Waters 5O is an ephemeral channel located east of the I-495 outer loop and southwest of Pritchard Lane that originates from a concrete culvert under I-495 north and flows north into Waters 5P.	-	Silt, sand, cobble Width: 2-4 ft Depth: 6 in – 1 ft	Right: forest Left: forest	Yes	No
5OO	-	Intermittent	Waters 5OO is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows west from outside the study area into Waters 6G.	-	Silt, sand Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5P	-	Intermittent	Waters 5P is an intermittent channel located east of the I-495 outer loop and southwest of Pritchard Lane that originates at a headcut within Waters 5O and flows north into a storm drain along I-495.	-	Sand, gravel Width: 3-4 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
5PP	-	Intermittent	Waters 5PP is an intermittent channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows east from a culvert along I-495 into Waters 6G.	-	Silt, sand, concrete Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
5PP_C							Yes	Yes
5Q	05-H	Perennial	Waters 5Q is a perennial channel located along the western side of the on-ramp from MD 214 to I-495 south that originates at a culvert, abuts Wetland 5R, and flows parallel to the on-ramp until it converges with Waters 5S.	-	Silt, sand, cobble, riprap Width: 2-20 ft Depth: 1 ft	Right: paved road Left: paved road	Yes	Yes
5Q_C							Yes	Yes
5QQ	-	Intermittent	Waters 5QQ is an intermittent channel located west of the exit ramp from the I-495 outer loop to MD 214 that flows from Wetland 5UU through a culvert under the exit ramp into Waters 6G.	-	Concrete Width: 3 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
5QQ_2							Yes	Yes
5QQ_C							Yes	Yes
5R	-	PEM	Wetland 5R is a PEM located along the western side of the on-ramp from MD 214 to the I-495 inner loop, in the floodplain of Waters 5Q.	Black willow Rice cut grass Eastern poison ivy Trumpet-creeper (<i>Campsis radicans</i>)	-	-	Yes	Yes
5RR	-	PFO	Wetland 5RR is a PFO located east of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 6G.	Ash-leaf maple Northern spicebush Japanese stilt grass Purple-stem American-aster (<i>Symphyotrichum puniceum</i>) Horsebrier Japanese honeysuckle	-	-	Yes	Yes
5S	W120PG	Perennial	Waters 5S is the mainstem of Southwest Branch, a perennial channel located south of the I-495/MD 214 interchange that flows east through a culvert under I-495 and continues southeast beyond the study area.	-	Sand, gravel, concrete Width: 10-30 ft Depth: 5 ft	Right: forest, commercial Left: forest, commercial	Yes	Yes
5S_1							Yes	Yes
5S_B							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
5SS	-	Ephemeral	Waters 5SS is an ephemeral channel located east of the exit ramp from the I-495 outer loop to MD 214 that flows east from a culvert along I-495 into Waters 6G.	-	Silt, sand Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
5T	-	Perennial	Waters 5T is a perennial channel located along the western side of the on-ramp from MD 214 to the I-495 inner loop that flows parallel to Waters 5Q and into Waters 5S.	-	Sand, gravel, concrete Width: 3-4 ft Depth: 6 – 12 in	Right: commercial Left: forest	Yes	Yes
5TT	-	PEM	Wetland 5TT is a PEM located east of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 6G.	Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
5UU	-	PSS	Wetland 5UU is a PSS located west of the exit ramp from the I-495 outer loop to MD 214 that abuts Waters 5QQ.	Ash-leaf maple Red maple Broad-leaf cat-tail Purple loosestrife Amur peppervine	--		Yes	Yes
5V	-	PEM	Wetland 5V is a PEM swale located within the southeast quadrant of the I-495/MD 214 interchange.	Broad-leaf-cat-tail Unknown grass species (<i>Poaceae</i> sp.)	-	-	Yes	Yes
5W	05-C	Intermittent	Waters 5W is an intermittent channel located within the southeast quadrant of the I-495/MD 214 interchange that flows west into Waters 6G.	-	Silt, sand, cobble, gravel, riprap Width: 3 ft Depth: 1 in	Right: mowed lawn Left: forest	Yes	Yes
5W_1		Ephemeral					Yes	No
5X	W147PG	PFO	Wetland 5X is a PFO located in the southeast quadrant of the I-495/MD 214 intersection.	Red maple Black tupelo Green ash Sweet-gum Common reed Amur peppervine	-	-	Yes	Yes
5Y	-	Ephemeral	Waters 5Y is an ephemeral channel located in the southeast quadrant of the I-495/MD 214 intersection that flows northeast into Wetland 5X.	-	Sand Width: 1-3 in Depth: 6 in	Right: forest Left: forest	Yes	No
5Z	-	PFO	Wetland 5Z is a PFO located in the southwest quadrant of the I-495/MD 214 intersection that abuts Wetland 5AA.	Loblolly pine (<i>Pinus taeda</i>) Sweet-gum	-	-	Yes	Yes
Subsegment 6								
6A	W132PG	PFO	Wetland 6A is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	American sycamore Ash-leaf maple Green ash Sweet-gum Rice cut grass Fowl manna grass Frost grape	-	-	Yes	Yes
6AA	-	Intermittent	Waters 6AA is an intermittent channel located northeast of the on ramp from Arena Drive to the I-495 outer loop that flows east from a culvert under I-495 into Waters 6G.	-	Sand, gravel, riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6AAA	05-F	Intermittent	Waters 6AAA is an intermittent ditch and culvert located under the Metro bridge, west of the I-495 inner loop and southeast of the intersection of Brightseat Road and Congress Place, that flows northeast through a concrete culvert under I-495 into Waters 6G. Water 6FFFF_2 outputs to Waters 6AAA_1 before Waters 6AAA_1 flows into 6AAA_C1.	-	Silt, sand, riprap Width: 2-4 ft Depth: 6 in – 1 ft	Right: forest, paved road Left: forest, emergent vegetation	No	Yes
6AAA_1							Yes	Yes
6AAA_B							No	Yes
6AAA_C							No	Yes
6AAA_C1							Yes	Yes
6AAAA	-	Ephemeral	Waters 6AAAA is an ephemeral channel located west of I-495 and south of MD 202 that flows east from a commercial parking lot into Waters 6UU.	-	Sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
6B	W155PG	Perennial	Waters 6B is a perennial channel located east of the I-495 outer loop and west of Shoppers Way that flows east from an outfall structure into Waters 6G.	-	Sand, gravel, concrete Width: 5 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6BB	-	Intermittent	Waters 6BB is an intermittent channel located east of the exit ramp from the I-495 outer loop to Arena Drive that flows northwest from a stormwater management pond outside the study area into Waters 6G.	-	Silt, sand, gravel, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6BB_C							Yes	Yes
6BBBB	W159PG	Intermittent	Waters 6BBBB is an intermittent channel roadside drainage channel located west of I-495 and south of MD 202 that flows east under I-495 to Waters 6G.	-	Silt, sand Width: 3 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
6BBBB_C							Yes	Yes
6C	W133PG	PFO	Wetland 6C is a PFO located east of the I-495 outer loop and northwest of N. Harry S. Truman Drive that abuts Waters 6G and 6B.	River birch Ash-leaf maple Green ash Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
6CC	-	PFO	Wetland 6CC is a PFO swale located east of the exit ramp from the I-495 outer loop to Arena Drive that abuts Waters 6BB.	Green ash Common pawpaw Northern spicebush Eastern poison ivy Frost grape Horsebrier	-	-	Yes	Yes
6CCC	-	PEM	Wetland 6CCC is a PEM swale located in the northwest quadrant of the I-495/MD 214 interchange.	Lamp rush Canadian rush (<i>Juncus canadensis</i>) Amur peppervine	-	-	Yes	Yes
6CCCC	-	PFO	Wetland 6CCCC is a PFO ditch located west of I-495 and south of MD 202.	Black willow American elm Green ash Rambler rose Spotted touch-me-not Eastern poison ivy Frost grape	-	-	Yes	Yes
6D	-	Intermittent	Wetland 6D is an intermittent channel located east of the I-495 outer loop and west of Shoppers Way that flows east from a culvert under I-495 into Waters 6G.	-	Silt, sand, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
6DD	-	PFO	Wetland 6DD is a PFO swale located east of the exit ramp from the I-495 outer loop to Arena Drive that abuts Waters 6BB.	Green ash Sweet-gum Eastern poison ivy White grass Virginia-creeper	-	-	Yes	Yes
6DDD	-	POW	Waters 6DDD is a beaver impounded POW system located east of I-495 and south of MD 202, on the north side of the on ramp from I-495 outer loop to MD 202 eastbound.	-	Silt, sand Length: 360 ft Width: 115 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
6DDD_C		Intermittent					Yes	Yes
6E	W135PG	PFO	Wetland 6E is a PFO swale located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	American elm Pin oak Green ash Netted chain fern Eastern poison ivy Horsebrier	-	-	Yes	Yes
6EE	-	Intermittent	Waters 6EE is an intermittent channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows southeast from outside the study area into Waters 6G.	-	Sand, cobble, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6EEE	-	Intermittent	Waters 6EEE is an intermittent channel located east of I-495 and south of MD 202 on the north side of the on ramp from the I-495 outer loop to MD 202 eastbound that flows southwest into Waters 6DDD.	-	Cobble, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6F	-	PFO	Wetland 6F is a PFO located east of the I-495 outer loop and west of Shoppers Way that drains southeast to Waters 6G.	Red maple American elm Sweet-gum Green ash Northern spicebush Eastern poison ivy Sweet wood-reed Horsebrier	-	-	Yes	Yes
6FF	-	PEM	Wetland 6FF is a PEM located northeast of the on ramp from Central Avenue to the I-495 outer loop that is encompassed by Wetland 6Q.	Reed canary grass	-	-	Yes	Yes
6FFF	05-L	PEM	Wetland 6FFF is a PEM located west of the exit ramp from the I-495 inner loop to MD 214 west.	Sweet-gum Lamp rush Rambler rose Leafy bulrush Virginia-creeper Eastern poison ivy Unknown grape species	-	-	Yes	Yes
6FFFF	-	Intermittent	Waters 6FFFF is an intermittent channel located west of the I 495 inner loop and southeast of the intersection of Brightseat Road and Congress Place that flows east through several culverts into Waters 6AAA	-	Silt, sand Width: 3 ft Depth: 4 in	Right: Forest Left: Forest	Yes	Yes
6FFFF_1							Yes	Yes
6FFFF_2							Yes	Yes
6FFFF_C							Yes	Yes
6FFFF_C1							Yes	Yes
6G	06-D	Perennial	Waters 6G is a perennial channel and unnamed tributary to Southwest Branch Western Branch Patuxent River located east of the I-495 outer loop. Waters 6G flows south through the study area along I-495, from north of the Landover Road/I-495 interchange and into Waters 5S, which is the Southwest Branch Western Branch Patuxent River. Waters 6G flows through subsegments 5, 6, and 7.	-	Silt, sand, gravel Width: 20 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
6G_1	06-D						Yes	Yes
6G_2	W150PG						Yes	Yes
6G_3	W150PG						Yes	Yes
6G_4	W150PG						Yes	Yes
6G_5	W150PG						Yes	Yes
6G_6	W150PG						Yes	Yes
6G_B	06-D						Yes	Yes
6G_C	06-D						Yes	Yes
6G_C1	W150PG						Yes	Yes
6G_C2	W150PG						Yes	Yes
6G_C3	W150PG						Yes	Yes
6G_C4	W150PG						Yes	Yes
6GG	-	PFO	Wetland 6GG is a PFO located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6HH.	Red maple American sycamore Sweet-gum American hornbeam Virginia-creeper Northern spicebush Horsebrier	-	-	Yes	Yes
6GGG	-	Intermittent	Waters 6GGG is an intermittent channel located in the western quadrants of the MD 214/I-495 interchange that flows through Wetlands 6HHH and 6QQQ, then flows south through multiple culverts under MD 214 and I-495 ramps and outfalls to Waters 5Q. Waters 6GGG flows through subsegments 5 and 6.	-	Silt, sand Width: 4 ft Depth: 3 ft	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
6GGG_1							Yes	Yes
6GGG_C							Yes	Yes
6GGG_C1							Yes	Yes
6GGG_C2							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6GGGG	-	PFO	Wetland 6GGGG is a PFO located west of the I 495 inner loop and southeast of the intersection of Brightseat Road and Congress Place that abuts Waters 6FFFF.	Red maple Sweet-gum Northern spicebush Horsebrier Japanese honeysuckle	-	-	Yes	Yes
6H	-	PEM	Wetland 6H is a series of PEM located in the floodplain of Waters 6G, south of the culvert under the exit ramp from the I-495 outer loop to Arena Drive.	Black elder Ash-leaf maple Reed canary grass Crimson-eyed rose-mallow Amur peppervine	-	-	Yes	Yes
6HH	-	Perennial	Waters 6HH is a perennial channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows west from outside the study area into Waters 6G.	-	Sand, clay Width: 8 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
6HHH	-	PFO	Wetland 6HHH is a PFO located in the northwest quadrant of the MD 214/I-495 interchange, in the floodplain of Waters 6GGG.	Sweet-gum Red maple Virginia pine Lamp rush Japanese honeysuckle	-	-	Yes	Yes
6I	W130PG	PFO	Wetland 6I is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6G.	Green ash Ash-leaf maple Sweet wood-reed Lamp rush Pointed broom sedge Eastern poison ivy Fox grape	-	-	Yes	Yes
6II	-	PFO	Wetland 6II is a PFO located east of the on ramp from Arena Drive to the I-495 outer loop that abuts Waters 6G and 6R.	Red maple River birch Sweet-gum Green ash Virginia-creeper Eastern poison ivy Small-spike false nettle Asian bittersweet	-	-	Yes	Yes
6III	05-A	Intermittent	Waters 6III is an intermittent channel located west of the I-495 inner loop and northeast of Continental Place that flows south along I-495 into a culvert under I-495 and east into Waters 6B.	-	Cobble, muck, riprap Width: 6 ft Depth: 1 ft	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
6III_C							Yes	Yes
6J	W154PG	Ephemeral	Waters 6J is an ephemeral channel located east of the I-495 outer loop and west of Shoppers Way that flows east from Wetland 6K into Waters 6G.	-	Silt, sand, muck Width: 6 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
6JJ	05-B	Perennial	Waters 6JJJ is a perennial channel located west of the I-495 inner loop and northeast of Continental Place that originates from a culvert under the soundwall, converges with Waters 6III through a 36-inch culvert under I-495 south, and drains east to Waters 6B.	-	Cobble, silt, riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6JJJ_C							Yes	Yes
6K	-	PFO	Wetland 6K is a PFO located east of the I-495 outer loop and west of Shoppers Way that abuts Waters 6J.	Sweet-gum American elm Green ash Eastern poison ivy Sweet wood-reed Fox grape Horsebrier	-	-	Yes	Yes
6KK	-	Intermittent	Waters 6KK is an intermittent channel located northeast of the on ramp from Central Avenue to the I-495 outer loop that flows west from Wetland 6LL into Waters 6G.		Sand, gravel Width: 1 ft Depth: 6 in – 2 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6KKK	W145PG	PEM	Wetland 6KKK is a PEM ditch located west of the I-495 inner loop and north of Continental Place that abuts Waters 6LLL.	Black willow Spotted water hemlock (<i>Cicuta maculata</i>) Rice cut grass Broad-leaf cat-tail	-	-	Yes	Yes
6L	W164PG	Intermittent	Waters 6L is an intermittent channel drainage ditch located east of the I-495 outer loop and west of N. Harry S. Truman Drive that flows east from an outfall structure along I-495 into Waters 6G.	-	Sand, gravel, riprap Width: 4 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
6LL	-	PFO	Wetland 6LL is a PFO swale located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6KK.	Sweet-gum American sycamore American hornbeam Green ash Sweet wood-reed Eastern poison ivy Japanese stilt grass Horsebrier	-	-	Yes	Yes
6LLL	06-B	Perennial	Waters 6LLL is a perennial channel located west of the I-495 inner loop and south of Arena Drive that flows north from a business development storm drain to Waters 6MMM.	-	Silt, cobble, sand, gravel, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6M	-	Perennial	Waters 6M is a perennial channel located east of the I-495 outer loop and west of N. Harry S. Truman Drive that flows west from outside the study area into Waters 6G.	-	Silt, sand, gravel Width: 10 ft Depth: 5 ft	Right: forest Left: forest	Yes	Yes
6MM	-	Ephemeral	Waters 6MM is an ephemeral channel that originates within the northeast quadrant of the I-495/MD 214 interchange and flows northeast through a culvert under the I-495 on ramp into Waters 6G.	-	Silt, sand Width: 1.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
6MM_1							Yes	No
6MM_C							Yes	No
6MMM	06-C	Perennial	Waters 6MMM is a perennial channel that originates west of the I-495 inner loop and south of Arena Drive that flows east through a culvert under I-495 into Wetland 6G.	-	Silt, sand, cobble Width: 6-10 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
6MMM_1							Yes	Yes
6MMM_C							Yes	Yes
6N	-	PEM	Wetland 6N is a PEM located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abuts Waters 6G.	Common pawpaw Ash-leaf maple Japanese stilt grass Asiatic tearthumb Amur peppervine	-	-	Yes	Yes
6NN	-	Intermittent	Waters 6NN is an intermittent channel located east of the I-495 outer loop and southwest of the McCormick Drive/Peppercorn Place intersection that flows south from Wetland 600 into Waters 6G.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest, emergent vegetation Left: forest	Yes	Yes
6NNN	-	Intermittent	Waters 6NNN is an intermittent channel located west of the I-495 inner loop and south of Arena Drive that flows northeast from Wetland 6000 into Waters 6MMM.	-	Sand, gravel Width: 2 ft Depth: 3-6 in	Right: forest Left: forest	Yes	Yes
6NNN_1							Yes	Yes
6NNN_C							Yes	Yes
6O	-	Ephemeral	Waters 6O is an ephemeral channel located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abuts Wetland 6N and flows southwest from outside the study area into Waters 6G.	-	Silt, sand Width: 2-6 in Depth: 6 in – 2 ft	Right: forest Left: forest	Yes	No
600	-	PEM	Wetland 600 is a series of PEM floodplain depressions located east of the I-495 outer loop and west of McCormick Drive that abut Wetland 6Y and form a broad wetland complex along Waters 6G.	Rice cut grass	-	-	Yes	Yes
6000	-	PFO	Wetland 6000 is a PFO located west of the I-495 inner loop and south of Arena Drive that abuts Waters 6NNN.	American elm Allegheny blackberry (<i>Rubus allegheniensis</i>) Spotted touch-me-not Eastern poison ivy Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6P	-	PFO	Wetland 6P consists of two palustrine forested wetlands (PFO) located east of the I-495 outer loop and west of N. Harry S. Truman Drive that abut Waters 6G.	Sweet-gum Ash-leaf maple American elm Common pawpaw Northern spicebush Jumpseed (<i>Persicaria virginiana</i>) Eastern poison ivy Frost grape	-	-	Yes	Yes
6PP	-	PFO	Wetland 6PP is a PFO located northeast of the on ramp from Central Avenue to the I-495 outer loop that abuts Waters 6HH.	Pin oak Red maple Green ash Sweet-gum Japanese stilt grass Fowl manna grass Eastern poison ivy Horsebrier Trumpet-creeper	-	-	Yes	Yes
6PPP	W143PG	PFO	Wetland 6PPP is a PFO located west of the I-495 inner loop, north and south of Arena Drive.	Sweet-gum American elm Black willow Rambler rose Common reed Eastern poison ivy	-	-	Yes	Yes
6Q	-	PFO	Wetland 6Q is a series of PFOs located east of the I-495 outer loop and west of Largo Drive West, in the floodplain of Waters 6G.	Sweet-gum American elm Green ash Japanese stilt grass	-	-	Yes	Yes
6QQ	W139PG	PFO	Wetland 6QQ is a PFO located within the northeast quadrant of the I-495/MD 214 interchange.	Green ash Virginia-creeper Dotted smartweed (<i>Persicaria punctata</i>) Shallow sedge Lamp rush	-	-	Yes	Yes
6QQQ	-	PEM	Wetland 6QQQ is a PEM located within the northwest quadrant of the MD 214/I-495 interchange that abuts Wetland 6HHH.	Lamp rush Japanese stilt grass	-	-	Yes	Yes
6R	-	Ephemeral	Waters 6R is an ephemeral channel located east of the on ramp from westbound Arena Drive to the I-495 outer loop that becomes an intermittent channel as it flows north and dissipates into Wetland 6II.	-	Silt, cobble, sand Width: 2-3 ft Depth: 1 ft	Right: forest, industrial/commercial Left: forest, paved road	Yes	No
6R_1	-	Intermittent					Yes	Yes
6RR	-	PEM	Wetland 6RR is a PEM located within the northeast quadrant of the I-495/MD 214 interchange that abuts Wetland 6QQ.	Green ash Eastern poison ivy	-	-	Yes	Yes
6RRR	W158PG	Intermittent	Waters 6RRR is an intermittent channel located west of the I-495 inner loop and south of MD 202 that flows southeast under I-495 into Waters 6TT.	-	Silt, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest, paved road	Yes	Yes
6RRR_C							Yes	Yes
6RRR_D							No	Yes
6S	-	PEM	Wetland 6S is a PEM ditch located west of the exit ramp from the I-495 inner loop to Arena Drive.	Common reed	-	-	Yes	Yes
6SS	-	Intermittent	Waters 6SS is an intermittent channel located east of the I-495 outer loop and west of the McCormick Drive/Peppercorn Place intersection that flows west from a pipe culvert along the UMUC parking lot, through Wetlands 6Y and 6OO, and into Waters 6G.	-	Sand, cobble, gravel, riprap Width: 3 ft Depth: 6 in	Right: forest, emergent vegetation Left: forest, emergent vegetation	Yes	Yes
6SS_C							Yes	Yes
6SSS	W142PG	PEM	Wetland 6SSS is a small PEM located west of the I-495 inner loop and north of Arena Drive.	Sweet-gum Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6T	-	Intermittent	Waters 6T is an intermittent channel located within the southeast quadrant of the Arena Drive/I-495 interchange that flows south from Wetland 6U into Waters 6G.	-	Sand, cobble, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6TT	-	Perennial	Waters 6TT is a perennial channel located east of the I-495 outer loop and southwest of the terminus of Basil Court that flows east from a culvert under the exit ramp from the I-495 outer loop to Landover Road and into Waters 6G.	-	Silt, cobble, sand, gravel Width: 6 ft Depth: 1 ft	Right: forest Left: emergent vegetation	Yes	Yes
6TTT	W160PG	Intermittent	Waters 6TTT is an intermittent channel roadside drainage channel located west of the I-495 inner loop and north of Arena Drive that flows east under I-495 into Waters 6AA.	-	Silt, cobble, sand, gravel, concrete, riprap Width: 3 ft Depth: 4 in	Right: forest Left: tall grass	Yes	Yes
6TTT_C							Yes	Yes
6U	W131PG	PFO	Wetland 6U is a series of PFO swales located within the eastern quadrants of the Arena Drive/I-495 interchange, north of a stormwater management pond and within the floodplain of Waters 6G.	Black willow Green ash White grass Reed canary grass Japanese honeysuckle	-	-	Yes	Yes
6UU	-	Intermittent	Waters 6UU is an intermittent channel that begins south of the on ramp from Landover Road to the I-495 inner loop at Waters 6AAAA, flows east through a culvert under I-495, and dissipates into Wetland 6Y.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6UU_1							Yes	Yes
6UU_C							Yes	Yes
6UUU	-	Intermittent	Waters 6UUU is an intermittent channel located west of the I-495 inner loop and north of Arena Drive that flows east through Wetland 6VV into Waters 6TTT.	-	Silt, cobble, sand Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6V	-	Ephemeral	Waters 6V is an ephemeral channel located within the northeast quadrant of the Arena Drive/I-495 interchange that flows south through Wetland 6U.	-	Sand, cobble, gravel Width: 2 ft Depth: 4 in	Right: forest Left: forest	Yes	No
6VV	W148PG	PFO	Wetland 6VV is a PFO located in the southeast cloverleaf of the I-495/MD 202 interchange that abuts Waters 6WW.	Red maple American elm Green ash Eastern poison ivy	-	-	Yes	Yes
6VVV	-	PFO	Wetland 6VVV is a PFO located west of the I-495 inner loop and north of Arena Drive, in the floodplain of Waters 6UUU.	American elm Sweet-gum Red maple White grass Sensitive fern Eastern poison ivy Amur peppervine	-	-	Yes	Yes
6WW	W163PG	Intermittent	Waters 6WW is an intermittent channel located in the southeast cloverleaf of the I-495/MD 202 interchange that originates at Wetland 6VV and flows southeast through a culvert under the on ramp from MD 202 to the I-495 outer loop into Waters 6DDD.	-	Silt, cobble, sand, gravel Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
6WW_C							Yes	Yes
6WWW	-	Ephemeral	Waters 6WWW is an ephemeral channel located west of the I-495 inner loop and north of Arena Drive that flows east into Waters 6TTT.	-	Silt, sand, gravel Width: 2-3 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
6XX	-	Ephemeral	Waters 6XX is an ephemeral channel located in the southeast cloverleaf of the I-495/MD 202 interchange that flows northeast from a culvert along the on ramp from MD 202 to the I-495 outer loop into Wetland 6VV.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
6XXX	-	PFO	Wetland 6XXX is a PFO located west of the I-495 inner loop and north of Arena Drive, on a hillslope adjacent to Waters 6TTT.	Red maple Sweet-gum Sweet wood-reed Eastern poison ivy Virginia-creeper Japanese honeysuckle Garlic-mustard (<i>Alliaria petiolata</i>)	-	-	Yes	Yes
6Y	W134PG	PFO	Wetland 6Y is a large PFO located east of the I-495 outer loop and south of MD 202, in the floodplain of Waters 6G.	Green ash Red maple Fowl manna grass Sweet wood-reed Reed canary grass Japanese stilt grass	-	-	Yes	Yes
6YY	-	Ephemeral	Waters 6YY is an ephemeral channel located in the southeast cloverleaf of the I-495/MD 202 interchange that flows southwest from a bioswale pipe outfall into Wetland 6ZZ.	-	Silt, sand, gravel, muck Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
6YYY	-	PEM	Wetland 6YYY is a PEM located on a hillslope west of the I-495 inner loop and north of Arena Drive that abuts Wetland 6XXX.	Red maple Sweet-gum River birch Japanese stilt grass	-	-	Yes	Yes
6Z	-	Intermittent	Waters 6Z is an intermittent channel located east of the I-495 outer loop and west of the McCormick Drive/Peppercorn Place intersection that flows northwest from a culvert along the University of Maryland University College (UMUC) parking lot, through Wetlands 6Y and 6OO, and into Waters 6G.	-	Sand, cobble, gravel Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
6ZZ	-	PFO	Wetland 6ZZ is a PFO swale located in the southeast cloverleaf of the I-495/MD 202 interchange that abuts Waters 6WW.	American elm Green ash Callery pear Eastern poison ivy	-	-	Yes	Yes
6ZZZ	-	PFO	Wetland 6ZZZ is a PFO located southwest of the ramp from eastbound MD 202 to the I-495 inner loop, in the floodplain of Waters 6RRR.	Red maple American elm Sweet-gum Green ash Eastern poison ivy	-	-	Yes	Yes
Subsegment 7								
7A	06-A	Intermittent	Waters 7A is an intermittent channel located northwest of the I-495/MD 202 interchange that flows southeast from a business development storm drain to a pipe under I-495 and into Waters 7H.	-	Silt, sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7A_C							Yes	Yes
7AA	-	Intermittent	Waters 7AA is an intermittent channel located southwest of the US 50/I-495 interchange that flows west from Wetland 7KK into Waters 7S.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7B	W156PG	Ephemeral	Waters 7B is an ephemeral channel draining uplands located northwest of the I-495/MD-202 interchange that flows north into Waters 7A.	-	Silt, sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
7BB	07-E	Intermittent	Waters 7BB is an intermittent channel located east of the I-495 outer loop and north of Glenarden Parkway that flows north from a non-jurisdictional concrete swale and through a culvert under a soundwall into Waters 7O.	-	Silt, concrete, muck Width: 4-5 ft Depth: 1 ft	Right: forest Left: tall grass	Yes	Yes
7BB_1							Yes	Yes
7BB_C							Yes	Yes
7BB_D							No	Yes
7C	-	PEM	Wetland 7C is a PEM located west of the I-495 inner loop and southeast of Reicher Street that drains southeast to Waters 7D.	Broad-leaf cat-tail Rice cut grass	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7CC	07-C	PEM	Wetland 7CC is a PEM located along the east side of the I-495 outer loop and north of Glenarden Parkway that abuts Waters 7BB.	Broad-leaf cat-tail	-	-	Yes	Yes
7D	-	Intermittent	Waters 7D is an intermittent channel located west of the I-495 inner loop and southeast of Reicher Street that flows southeast from Wetland 7C into Waters 7E.	-	Silt, sand Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
7DD	-	PFO	Wetland 7DD is a PFO located northeast of the on ramp from westbound MD 202 to the I-495 outer loop that abuts Wetland 7EE.	Sweet-gum Black willow Reed canary grass Asiatic tearthumb	-	-	Yes	Yes
7E	W89PG	Perennial	Waters 7E is a perennial channel located west of the I-495 inner loop and east of Reicher Street that flows south from Waters 7F into Waters 7G.	-	Silt, sand, muck Width: 3-4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7EE	-	PEM	Wetland 7EE is a PEM located northeast of the on ramp from westbound MD 202 to the I-495 outer loop, in the floodplain of Waters 6G.	Sweet-gum Reed canary grass Broad-leaf cat-tail Climbing hempvine Amur peppervine	-	-	Yes	Yes
7F	-	Intermittent	Waters 7F is an intermittent channel located west of the I-495 inner loop and east of Reicher Street that flows south from a culvert draining Wetland 7K into Waters 7E.	-	Concrete, riprap Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7F_C							Yes	Yes
7FF	-	PFO	Wetland 7FF is a PFO located east of the I-495 outer loop and north of 7th Street, in the floodplain of Waters 7II.	Red maple Southern arrow-wood Spotted touch-me-not	-	-	Yes	Yes
7G	W11PG	Perennial	Waters 7G is a perennial stream located east of the I-495 outer loop and west of the Woodmore Towne Centre that flows northwest from outside the study area to a culvert under an access road, and then southeast along I-495 to an additional culvert under I-495.	-	Silt, cobble, sand, gravel, concrete Width: 6 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7G_1							Yes	Yes
7G_2							Yes	Yes
7G_C							Yes	Yes
7G_C1							Yes	Yes
7GG	-	Intermittent	Waters 7GG is an intermittent channel located east of the I-495 outer loop and west of 7th Street that flows south into Waters 7JJ and abuts Wetland 7HH.	-	Sand, gravel Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
7H	07-D	Intermittent	Waters 7H is an intermittent channel located west of the I-495 inner loop and east of Evarts Street that flows north from a storm water outfall draining I-495 to Waters 7G.	-	Silt, concrete, muck, leaves Width: 3-6 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
7HH	-	PFO	Wetland 7HH is a PFO located east of the I-495 outer loop and west of 7th Street, in the floodplain of Waters 7GG and 7JJ.	Black willow Red maple Northern spicebush Virginia-creeper Jumpseed	-	-	Yes	Yes
7I	-	Intermittent	Waters 7I is an intermittent channel located west of the I-495 inner loop and east of 5th Street that originates within Wetland 7J and flows south into a storm drain.	-	Muck Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7II	-	Intermittent	Waters 7II is an intermittent channel located east of the I-495 outer loop and north of 7th Street that flows southwest from outside the study area, through Wetland 7FF, and into Waters 7O.	-	Silt, sand, gravel Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7J	-	PFO	Wetland 7J is a PFO located west of the I-495 inner loop and east of 5th Street that drains south to Waters 7I.	American elm Sweet-gum Southern arrow-wood Sensitive fern Virginia-creeper Eastern poison ivy Horsebrier	-	-	Yes	Yes
7JJ	-	Perennial	Waters 7JJ is a perennial channel located east of the I-495 outer loop and west of 7th Street that flows west from outside the study area into a culvert under I-495.	-	Silt, cobble, sand Width: 5 ft Depth: 1 ft	Right: forest, housing Left: forest	Yes	Yes
7JJ_1							Yes	Yes
7JJ_C							Yes	Yes
7JJ_C1							Yes	Yes
7K	-	PEM	Wetland 7K is a PEM ditch located west of the I-495 inner loop and northeast of Girard Street that drains south into a pipe and into Waters 7F.	Broad-leaf cat-tail	-	-	Yes	Yes
7KK	-	PFO	Wetland 7KK is a PFO swale located southwest of the I-495/US 50 interchange that abuts Waters 7AA.	Red maple Black tupelo Pin oak Southern arrow-wood Rambler rose White grass Eastern poison ivy Horsebrier	-	-	Yes	Yes
7L	06-G	PFO	Wetland 7L is a PFO located within the northeast cloverleaf of the I-495/MD 202 interchange.	Silver maple (<i>Acer saccharinum</i>) Red maple Sweet-gum Pin oak Green ash Lamp rush	-	-	Yes	Yes
7LL	-	PEM	Wetland 7LL is a PEM located south of US-50 and east of Martin Luther King Jr Highway.	Sweet-gum Soft-stem club-rush (<i>Schoenoplectus tabernaemontani</i>) Narrow-leaf cat-tail	-	-	Yes	Yes
7M	-	PFO	Wetland 7M is a PFO located within the northeast cloverleaf of the I-495/MD 202 interchange, north of Wetland 7L.	Red maple Pin oak northern catalpa Lamp rush Lesser poverty rush (<i>Juncus tenuis</i>) Frost grape	-	-	Yes	Yes
7MM	-	Intermittent	Waters 7MM is an intermittent channel located in the southern cloverleaf of the US 50/Martin Luther King Jr Boulevard interchange that flows south into a storm water management facility.	-	Silt, cobble, sand, muck, gravel Width: 6 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
7N	W88PG	Perennial	Waters 7N is a perennial channel located west of the I-495 inner loop and east of 5th Street that flows north through a pipe into Waters 7O.	-	Concrete Width: 3 ft Depth: 1ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
7N_1							Yes	Yes
7N_C							Yes	Yes
7NN	-	Ephemeral	Waters 7NN is an ephemeral channel located south of US-50 and east of Martin Luther King Jr Boulevard that flows southeast into a roadside swale.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 4 ft	Right: herbaceous Left: herbaceous	Yes	No
7O	-	Perennial	Waters 7O is a perennial channel named Cattail Branch located south of Ardwick Ardmore Road and north of the terminus of 7th Street that flows southwest from outside the study area, through a culvert under I-495, and west beyond the study area.	-	Silt, cobble, sand, gravel, concrete Width: 4-15 ft Depth: 5 ft	Right: forest, housing Left: forest, housing	Yes	Yes
7O_1							Yes	Yes
7O_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7P	-	PEM	Wetland 7P is an isolated PEM swale located southwest of the on ramp from US 50 to the I-495 inner loop.	Rice cut grass Japanese honeysuckle	-	-	Yes	Yes
7PP	-	Intermittent	Waters 7PP is intermittent channel located south of US-50 and east of Pennsy Drive that flows northwest under US 50 and into Waters 8Z.	-	Silt, cobble, sand, concrete, gravel Width: 8 ft Depth: 4 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
7PP_C							Yes	Yes
7Q_2	-	Perennial	Waters 7Q is a perennial channel located under the on ramp from US 50 to the I-495 outer loop. This feature is located within the southern portions of the US 50/I-495 interchange and flows west through a series of conveyances to a culvert along the ramp from US 50 to the I-495 inner loop, where it is piped beyond the study area.	-	Silt, sand, riprap Width: 3 ft Depth: 2 ft	Right: forest, paved road Left: paved road, tall grass	Yes	Yes
7Q_3							Yes	Yes
7Q_C1							Yes	Yes
7Q_C2							Yes	Yes
7R	-	PEM	Wetland 7R is a PEM ditch located southwest of the on ramp from US 50 to the I-495 inner loop.	Groundseltree Broad-leaf cat-tail Common reed	-	-	Yes	Yes
7RR	-	PEM	Wetland 7KK is a PEM located south of US-50 and east of Martin Luther King Jr Highway.	Virginia pine Ash-leaf maple Fowl blue grass (<i>Poa palustris</i>) Narrow-leaf cat-tail	-	-	Yes	Yes
7S	-	Perennial	Waters 7S is a perennial channel located southwest of the US 50/I-495 interchange that flows northwest from outside the study area into a culvert under I-495 in subsegment 7. Waters 7S is also known as Waters 8W where it crosses subsegment 8 northwest of the US 50/I-495 interchange, south of Corporate Drive.	-	Silt, sand, gravel, concrete, riprap Width: 2-8 ft Depth: 1.5-4 ft	Right: forest, paved road Left: forest	Yes	Yes
7S_C								
7SS	-	Intermittent	Waters 7SS is an intermittent channel located northeast of the on ramp from westbound MD 202 to the I-495 outer loop that abuts Wetlands 7DD and 7EE and flows into Waters 6G.	-	Silt, sand, cobble, and riprap Width: 4 ft Depth: 1 ft	Right: Emergent vegetation Left: Emergent vegetation with some forest	Yes	Yes
7T	-	Perennial	Waters 7T is perennial channel located east of the I-495 outer loop and north of Evarts Street that flows southwest through a culvert under an access road and south into Waters 7G.	-	Silt, sand, iron flocculation Width: 3 ft Depth: 6 in	Right: forest, paved road Left: forest	Yes	Yes
7T_1							Yes	Yes
7T_C							Yes	Yes
7U	-	PSS	Wetland 7U is a series of PSS east of the I-495 outer loop and west of the Woodmore Towne Centre, in the floodplain of Waters 7G.	Northern spicebush Rice cut grass Jumpseed	-	-	Yes	Yes
7V	-	Ephemeral	Waters 7V is an ephemeral channel located east of the I-495 outer loop and west of the Woodmore Towne Centre that flows northwest from Wetland 7W into Waters 7G.	-	Silt, muck Width: 1 ft Depth: 3 in	Right: emergent vegetation Left: forest, paved road	Yes	No
7W	07-A	PFO	Wetland 7W is a PFO located east of the I-495 outer loop and southwest of Evarts Street that abuts Waters 7V and 7G.	Black willow Red maple Green ash Sweet-gum Fowl manna grass Halberd-leaf tearthumb (<i>Persicaria arifolia</i>) Amur peppervine	-	-	Yes	Yes
7Y	-	PFO	Wetland 7Y is a PFO located east of the I-495 outer loop and west of Evarts Street that drains abuts Waters 7G.	American elm Bitter-nut hickory Sweet-gum White grass Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
7Z	-	PFO	Wetland 7Z is a PFO located east of the I-495 outer loop and northwest of Evarts Street, in the floodplain of Waters 7T.	American sycamore Red maple White grass Horsebrier Virginia-creeper	-	-	Yes	Yes
Subsegment 8								
8A	-	Intermittent	Waters 8A is an intermittent channel located between Cobb Road and the I-495 inner loop, northwest of the US 50/I-495 interchange that flows north from Wetland 8M into Waters 8J.	-	Sand, gravel, riprap Width: 2 ft Depth 1.5 ft	Right/Left: emergent vegetation, paved road	Yes	Yes
8AA	-	Perennial	Waters 8AA is a perennial channel located north of the US 50 westbound on ramp from Garden City Drive that flows east into Waters 8Z.	-	Silt, cobble, sand, gravel Width: 5 ft Depth: 1.5 ft	Right: forest, scrub-shrub Left: scrub-shrub, herbaceous	Yes	Yes
8BB	-	Perennial	Waters 8BB is a perennial channel located north of US 50 and east of Garden City Drive that flows south into Waters 8Z.	-	Silt, sand, gravel Width: 5 ft Depth: 2 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8CC	-	Ephemeral	Waters 8CC is an ephemeral channel located south of US 50 and west of Ardwick Ardmore Road that flows south into Waters 8Z outside of the study area.	-	Silt, sand, gravel Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
8D	-	POW	Waters 8D is an in-line stormwater management facility located east of the I-495 outer loop and west of Jenna Court that flows north into Waters 8F.	-	Silt, riprap Width: 75 ft Length: 175 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8DD	-	Intermittent	Waters 8DD is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows northeast out of the study area.	-	Silt, sand, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
8DD_1							Yes	Yes
8DD_2							Yes	Yes
8DD_C							Yes	Yes
8E	-	Intermittent	Waters 8E is an intermittent channel located east of the I-495 outer loop and west of Jenna Court that flows south under the on ramp from US 50 to the I-495 outer loop.	-	Gravel, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
8E_C							Yes	Yes
8E_D							Yes	Yes
8EE	-	Ephemeral	Waters 8DD is an ephemeral channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Waters 8DD.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No
8F	-	Intermittent	Waters 8F is an intermittent channel located east of the I-495 outer loop and west of the on ramp from US 50 to the I-495 outer loop that flows north into Waters 8J through a culvert under I-495.	-	Riprap Width: 12 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8F_C							Yes	Yes
8FF	-	PFO	Wetland 8FF is a PFO located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8DD, Waters 8EE, and Waters 8GG.	Black tupelo Red maple Sweet-gum Sensitive fern Horsebrier	-	-	Yes	Yes
8G	-	Ephemeral	Waters 8G is an ephemeral and intermittent channel located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court that flows southwest into Waters 8E.	-	Sand, gravel Width: 2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
8G_1	-	Intermittent					Yes	Yes
8GG	-	Intermittent	Waters 8GG is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Wetland 8FF.	-	Silt, sand Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
8H	-	PFO	Wetland 8H is a PFO located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court.	Black willow Red maple Groundseltree Sweet-gum Rice cut grass Shallow sedge	-	-	Yes	Yes
8HH	-	Intermittent	Waters 8HH is an intermittent channel located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that flows east into Waters 8GG.	-	Sand, silt Width: 3 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
8HH_C								
8I	-	Ephemeral	Waters 8I is an ephemeral channel located east of the on ramp from westbound US 50 to the I-495 outer loop and west of Jenna Court that flows south into Wetland 8H.	-	Silt Width: 3.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
8J	-	Intermittent	Waters 8J is an channel with intermittent and perennial flow that originates east of the I-495 outer loop, flows southwest through culverts under I-495 and Cobb Road, and continues west outside the study area.	-	Silt, cobble, gravel, riprap Width: 4 ft Depth: 1 ft	Right: scrub-shrub Left: forest	Yes	Yes
8J_1	-	Perennial					Yes	Yes
8J_2	-	Perennial					Yes	Yes
8J_C	-	Intermittent					Yes	Yes
8J_C1	-	Perennial					Yes	Yes
8JJ	-	PFO	Wetland 8JJ is a PFO located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8HH.	Sweet-gum Lamp rush Sensitive fern	-	-	Yes	Yes
8K	-	PEM	Wetland 8K is a PEM located east of the ramp from westbound US 50 to Garden City Drive and southwest of Whitfield Community Park that abuts Waters 8J.	Rice cut grass	-	-	Yes	Yes
8KK		PSS	Wetland 8KK is a PSS located south of the Martin Luther King Jr Boulevard on ramp to US 50 westbound that abuts Waters 8DD, Waters 8EE, and Waters 8GG.	Groundseltree Broad-leaf cat-tail Unknown grass species (<i>Poa</i> sp.) Eastern poison ivy	-	-	Yes	Yes
8L	-	PFO	Wetland 8L is a PFO located east of the ramp from westbound US 50 to Garden City Drive and southwest of Whitfield Community Park that abuts Waters 8J to Wetland 8K.	River birch Sweet-gum Tall false rye grass Frost grape	-	-	Yes	Yes
8LL	-	PFO	Wetland 8LL is a PFO located east of the I-495 outer loop and Cobb Road near Waters 8J.	American sycamore Red maple Green ash Groundseltree Japanese stilt grass Japanese honeysuckle	-	-	Yes	Yes
8M	-	PEM	Wetland 8M is a PEM located between Cobb Road and the I-495 inner loop, northwest of the US 50/I-495 interchange that abuts Waters 8A.	Groundseltree Broad-leaf cat-tail Chairmaker’s club-rush (<i>Schoenoplectus americanus</i>)	-	-	Yes	Yes
8MM	-	Intermittent	Waters 8MM is an intermittent channel located east of the I-495 outer loop and Cobb Road upstream of Waters 8J.	-	Silt, cobble, sand, gravel Width: 4 ft Depth: 2 ft	Right: Forest Left: Forest	Yes	Yes
8N	-	Intermittent	Waters 8N is an channel with intermittent and perennial flow located between Cobb Road and the I-495 inner loop that drains south from Wetland 8O into Waters 8J.	-	Sand, gravel, riprap Width: 2 ft Depth: 1 ft	Right: paved road Left: paved road	Yes	Yes
8N_1	-	Perennial					Yes	Yes
8O	-	PEM	Wetland 8O is a PEM ditch located west of the I-495 inner loop and east of the intersection of Cobb Road and Professional Place that abuts Waters 8N.	Willow oak Black elder Black willow Unidentified blackberry species (<i>Rubus</i> sp.) Broad-leaf cat-tail Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
8P	-	PSS	Wetland 8P is a PSS located west of the I-495 inner loop and southeast of the intersection of Cobb Road and Professional Place, in the floodplain of Waters 8N.	Groundseltree Black willow Green ash Broad-leaf cat-tail Japanese honeysuckle Eastern poison ivy	-	-	Yes	Yes
8Q	-	PEM	Wetland 8Q is a PEM located west of the I-495 inner loop and southeast of the intersection of Cobb Road and Professional Place, in the floodplain of Waters 8N.	Black willow Black elder Common reed Eastern poison ivy	-	-	Yes	Yes
8R	W12PG	Perennial	Waters 8R is an channel with intermittent and perennial flow that flows northwest along the east side of the ramp from MD 450 to the I-495 outer loop, and contin-ues through a culvert under I-495 and outside the study area. Waters 8R flows through subsegments 8 and 9.	-	Sand Width: 12 ft Depth: 8 ft	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes
8R_C	W12PG	Intermittent					Yes	Yes
8R_C1	W12PG	Perennial					Yes	Yes
8R_D	W12PG	Intermittent					Yes	Yes
8R_D1	W12PG	Intermittent					Yes	Yes
8S	-	Ephemeral	Waters 8S is an ephemeral channel that originates southeast of the exit ramp from the I-495 outer loop to Annapolis Road and flows northeast to a culvert under Annapolis Road before it dissipates into Wetland 9E within the interchange cloverleaf. Waters 8S flows through subsegments 8 and 9.	-	Sand, debris Width: 2 ft Depth: 6 in	Right: emergent vegetation, commercial Left: emergent vegetation, paved road	Yes	No
8S_1							Yes	No
8S_C							Yes	No
8T	-	Ephemeral	Waters 8T is an ephemeral channel located south of Annapolis Road and east of the I 495 outer loop that flows northeast from Wetland 8U into Waters 8R.	-	Cobble, sand Width: 2 ft Depth: 6 in	Right: emergent vegetation and paved road Left: emergent vegetation and paved road	Yes	No
8U	-	PEM	Wetland 8U is a PEM ditch located south of Annapolis Road and east of the I-495 outer loop.	Broad-leaf cat-tail	-	-	Yes	Yes
8V	-	Intermittent	Waters 8V is an intermittent channel located west of the I-495 outer loop and northeast of Cobb Road that flows southwest from a culvert and under the roadway into a stormwater management pond outside the study area.	-	Silt, sand, gravel, concrete Width: 4 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
8W	-	Intermittent	See Waters 7S.				Yes	Yes
8W_1							Yes	Yes
8W_C							Yes	Yes
8X	-	Intermittent	Waters 8X is an intermittent channel located north of the I-495 outer loop ramp to Corporate Drive that flows northwest through Wetland 8Y and into Waters 8W.	-	Silt, sand, gravel, debris Width: 2 ft Depth: 6 in	Right: herbaceous Left: herbaceous	Yes	Yes
8Y	-	PEM	Wetland 8Y is a PEM located north of 1-495 outer loop ramp to Corporate Drive that abuts Waters 8X.	Sweet-gum Red maple Silver maple Willow oak Rambler rose Japanese stilt grass Narrow-leaf cat-tail	-	-	Yes	Yes
8Z	-	Perennial	Waters 8Z is a perennial channel located north of US-50 and west of Pennsy Drive that flows west under Garden City Drive and then south under US 50 and out of the study area.	-	Silt, cobble, sand, gravel Width: 12 ft Depth: 6 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
8Z_1							Yes	Yes
8Z_2							Yes	Yes
8Z_3							Yes	Yes
8Z_C							Yes	Yes
8Z_C1							Yes	Yes
8Z_C2							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 9								
9A	07-G	Intermittent	Waters 9A is an intermittent channel located in the western cloverleaf of the I-495/MD 450 interchange that begins at a culvert outfall draining uplands and flows north into Wetland 9B, with sections of the channel consisting of sheet flow.	-	Silt, muck Width: 5 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
9B	07-I	PEM	Wetland 9B is a PEM located in the western cloverleaf of the I-495/MD 450 interchange, adjacent to Waters 9C.	Pin oak Green ash Amur peppervine	-	-	Yes	Yes
9BB	-	PFO	Wetland 9BB is a PFO seep located along a hillslope west of the I-495 inner loop and south of Good Luck Road that extends west outside of the study area.	Willow oak Sweet-gum Southern arrow-wood Callery pear Virginia-creeper Eastern poison ivy Amur peppervine	-	-	Yes	Yes
9C	W74PG	Intermittent	Waters 9C is an intermittent channel located in the western cloverleaf of the I-495/MD 450 interchange that flows west through a culvert under the exit ramp from the I-495 inner loop to MD 450 and outside the study area.	-	Silt, sand, gravel Width: 3 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
9C_1							Yes	Yes
9C_C							Yes	Yes
9C_C1							Yes	Yes
9CC	-	Perennial	Waters 9CC is a perennial channel located east of the I-495 outer loop that originates near the terminus of Midra Drive and flows downslope.	-	Cobble, sand, gravel, riprap Width: 1-3 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
9CC_C							Yes	Yes
9D	07-H	PFO	Wetland 9D is a PFO located in the eastern cloverleaf of the I-495/MD 450 interchange, adjacent to Wetland 9E.	Pin oak Sawtooth oak (<i>Quercus acutissima</i>) Slippery elm (<i>Ulmus rubra</i>) Eastern poison ivy	-	-	Yes	Yes
9DD	-	PEM	Wetland 9DD is a PEM located east of the I-495 outer loop and south of Midra Drive, in the floodplain of Waters 9CC.	Rice cut grass White grass	-	-	Yes	Yes
9E	W13PG	PEM	Wetland 9E is a PEM located in the eastern cloverleaf of the I-495/MD 450 interchange, adjacent to Wetland 9D.	European water-plantain (<i>Alisma plantago-aquatica</i>) Swamp smartweed Canadian rush Japanese stilt grass	-	-	Yes	Yes
9EE	-	PFO	Wetland 9EE is a PFO located east of the I-495 outer loop and south of Midra Drive that abuts Waters 9CC.	Sweet-gum Black tupelo Red maple Cut-leaf water-horehound (<i>Lycopus americanus</i>) Eastern poison ivy Horsebrier	-	-	Yes	Yes
9F	W16PG	Intermittent	Waters 9F is an intermittent channel located east of the I-495 outer loop and west of Hanover Parkway that flows northwest into Waters 9G.	-	Silt Width: 3-5 ft Depth: 10-12 in	Right: forest Left: forest	No	Yes
9FF	-	Ephemeral	Waters 9FF is an ephemeral channel located east of the I-495 outer loop and south of Edgerton Drive that flows northwest into Waters 9CC.	-	Sand Width: 1-2 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
9G	-	Perennial	Waters 9G is a perennial channel located on both sides of I-495 that flows southwest through a culvert under I-495 and outside the study area east of Kepner Court.	-	Sand, gravel, riprap Width: 8 ft Depth: 1 ft	Right: mowed lawn Left: scrub-shrub	Yes	Yes
9G_1							Yes	Yes
9G_C							Yes	Yes
9GG	-	Intermittent	Waters 9GG is an intermittent channel that originates at a headcut near the intersection of Edgerton Drive and Tiffany Lane and flows southwest into Waters 9CC.	-	Sand, gravel, riprap Width: 2-3 ft Depth: 3-5 ft	Right: forest, mowed lawn Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
9HH	-	PFO	Wetland 9HH is a PFO located east of the I-495 outer loop and northwest of Priscilla Court, in the floodplain of Waters 9Y and 9II.	Red maple Black tupelo Northern spicebush Southern arrow-wood Skunk-cabbage Horsebrier Virginia-creeper	-	-	Yes	Yes
9II	-	Intermittent	Waters 9II is an intermittent channel located east of the I-495 outer loop and northwest of Priscilla Court that drains Wetland 9HH and flows west from outside the study area into Waters 9Y.	-	Silt, sand, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9J	W15PG	Perennial	Waters 9J is a perennial channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows into a culvert under I-495.	-	Gravel Width: 10 ft Depth: 2-3 ft	Right: forest Left: forest	Yes	Yes
9J_C							Yes	Yes
9JJ	08-B	Perennial	Waters 9JJ is a perennial channel located east of the I-495 outer loop and west of Priscilla Court that flows northwest from outside the study area into Waters 9Y.	-	Silt, cobble, sand, gravel Width: 5-10 ft Depth: 1.5 ft	Right: forest Left: forest, paved road	Yes	Yes
9K	-	PSS	Wetland 9K is a PSS located east of the I-495 outer loop and southwest of Lake Park Drive, in the floodplain of Waters 9J.	Black willow Sweet-gum Broad-leaf cat-tail Rice cut grass Trumpet-creeper	-	-	Yes	Yes
9KK	-	PFO	Wetland 9KK is a PFO located east of the I-495 outer loop and west of Priscilla Court, in the floodplain of Waters 9JJ.	Red maple Sweet-gum River birch Northern spicebush Small-spike false nettle Eastern poison ivy Horsebrier	-	-	Yes	Yes
9L	-	POW	Waters 9L is a palustrine open water (POW) in-line stormwater management facility located east of the I 495 outer loop and southwest of Lake Park Drive that outlets to Waters 9J.		Silt, sand, muck Width: 60 ft Length: 220 ft Depth: 5 ft	Right: residential Left: residential	Yes	Yes
9LL	-	Ephemeral	Waters 9LL is an ephemeral channel located east of the I-495 outer loop and west of Priscilla Court that flows west from Wetland 9KK into Waters 9MM.	-	Silt, cobble, sand Width: 1-2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
9M	08-D	Intermittent	Waters 9M is an intermittent channel and ditch located east of the I-495 outer loop and southwest of Lake Park Drive that flows northwest from an ephemeral swale into Waters 9J. The feature is considered a ditch until it abuts Wetland 9N.		Silt Width: 1-3 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
9M_D							No	Yes
9MM	08-C	Intermittent	Waters 9MM is an intermittent channel located east of the I-495 outer loop and west of Priscilla Court that flows north into Waters 9JJ.	-	Silt, muck Width: 4 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
9N	-	PSS	Wetland 9N is a PSS located east of the I-495 outer loop and southwest of Lake Park Drive that abuts Waters 9M.	Red maple Sweet-gum Rambler rose Fowl manna grass Deer-tongue rosette grass Virginia-creeper	-	-	Yes	Yes
9NN	W14PG	PFO	Wetland 9NN is a PFO located east of the I-495 outer loop and west of Priscilla Court that abuts Waters 9MM.	Red maple Sweet-gum Red fescue (<i>Festuca rubra</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
9O	-	Ephemeral	Waters 9O is an ephemeral channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows north from Wetland 9N into Waters 9J.	-	Silt, sand, riprap Width: 1 ft Depth: 1.5 ft	Right: forest, paved road Left: forest, paved road	Yes	No
9OO	-	Ephemeral	Waters 9OO is an ephemeral channel located east of the I-495 outer loop and west of Priscilla Court that flows northeast from a culvert along I-495 into Wetland 9KK.	-	Silt, sand Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
9P	-	Ephemeral	Waters 9P is an ephemeral channel located east of the I-495 outer loop and southwest of Lake Park Drive that flows south into Waters 9J.	-	Silt, sand, muck Width: 2 ft Depth: 3 in	Right: forest, paved road Left: forest	Yes	No
9PP	-	PFO	Wetland PP is a PFO located northwest of the I-495 outer loop and adjacent to the northern portion of 9G, east of Hanover Parkway.	American sycamore Red maple Sweet-gum			Yes	Yes
9QQ	-	Intermittent	Waters 9QQ is an ephemeral and intermittent channel located west of the I-495 inner loop and east of Newburg Drive. The feature becomes an intermittent channel before it flows southeast into Waters 9J_C.	-	Silt, sand, gravel, riprap Width: 3 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
9QQ_1	-	Ephemeral					Yes	No
9R	07-F	Intermittent	Waters 9R is an intermittent channel located west of the exit ramp from the I-495 inner loop to MD 450 that flows north into Waters 9C.	-	Silt, gravel, muck, leaves Width: 3-5 ft Depth: 1.5 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
9RR	-	Intermittent	Waters 9RR is an ephemeral and intermittent channel located west of the I-495 inner loop and east of Cathedral Avenue. The feature becomes an intermittent channel before it flows north into Waters 9J_C.	-	Silt, sand, gravel, riprap Width: 3 ft Depth 1-3 ft	Right: forest Left: forest	Yes	Yes
9RR_1	-	Ephemeral					Yes	No
9SS	-	PFO	Wetland 9SS is a PFO located west of the I-495 inner loop and east of Newburg Drive that abuts Waters 9QQ.	Sweet-gum Red maple Japanese-knotweed (<i>Reynoutria japonica</i>)	-	-	Yes	Yes
9T	-	Intermittent	Waters 9T begins as an intermittent channel west of 88th Place and becomes perennial as it flows west under I-495 and outside of the study area.	-	Cobble, sand, gravel, concrete Width: 6 ft Depth: 2.5 ft	Right: forest Left: forest	Yes	Yes
9T_1	-	Perennial					Yes	Yes
9T_C	-	Intermittent					Yes	Yes
9TT	-	PFO	Wetland 9TT is a PFO located west of the I-495 inner loop and east of Cathedral Avenue that abuts Waters 9RR.	Red maple Southern arrow-wood Japanese honeysuckle Horsebrier Japanese-knotweed	-	-	Yes	Yes
9U	-	Intermittent	Waters 9U is an intermittent channel located west of the I-495 inner loop and east of Powhatan Street that flows north into Waters 9T.	-	Cobble, sand, gravel, concrete Width: 2.5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9UU	-	Ephemeral	Waters 9UU is an ephemeral channel located west of the I-495 inner loop and east of Cathedral Avenue that flows north into Wetland 9TT.	-	Cobble, sand, muck Width:3 ft Depth: 3 in	Right: forest Left: forest	Yes	No
9V	-	Intermittent	Waters 9V is an intermittent channel located west of the I-495 inner loop and east of Powhatan Street that drains Wetland 9W and flows south into Waters 9T.	-	Sand, gravel, muck Width: 2-8 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
9VV	-	Intermittent	Waters 9VV is an intermittent channel located east of the I-495 outer loop and southwest of Midra Drive that flows southeast from Wetland 9WW into Waters 9CC.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/ depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
9W	-	PFO	Wetland 9W is a PFO located west of the I-495 inner loop and east of Powhatan Street that abuts Waters 9V.	Pin oak northern white oak Sweet-bay Common winterberry English ivy Horsebrier	-	-	Yes	Yes
9WW	-	PFO	Wetland 9WW is a PFO located east of the I-495 outer loop and southwest of Midra Drive that abuts Waters 9VV.	Sweet-gum Callery pear Black willow Lamp rush Japanese stilt grass Horsebrier	-	-	Yes	Yes
9Y	08-A	Perennial	Waters 9Y is Brier Ditch, a perennial channel located south of Carrollton Parkway and north of 87th Avenue that flows west through a culvert under I-495 and continues outside of the study area.	-	Silt, cobble, sand, gravel, concrete Width: 4-10 ft Depth: 1.5 ft	Right: forest, mowed lawn Left: forest	Yes	Yes
9Y_1							Yes	Yes
9Y_C							Yes	Yes
9Z	-	Intermittent	Waters 9Z is an intermittent ditch located west of the I-495 inner loop and southeast of Carrollton Parkway that flows north into Waters 9Y.	-	Cobble, sand, gravel, riprap Width: 3 ft Depth: 6 in	Right: forest Left: forest	No	Yes
9Z_C	-						No	Yes
Subsegment 10								
10A	-	Ephemeral	Waters 10A is an ephemeral channel located southwest of the I-495/MD 295 interchange that originates from a culvert under MD 295.	-	Silt, cobble, sand Width: 5 ft Depth: < 1 in	Right: forest Left: forest	Yes	No
10AA	09-B	Perennial	Waters 10AA is a perennial channel located west of the ramp from the I-495 outer loop to MD 201 that flows northeast under I-495.	-	Silt, sand, gravel Width: 2-6 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
10AA_C							Yes	Yes
10AAA	-	Intermittent	Waters 10AAA is an intermittent channel located south of the I-495 inner loop, east of I-295, and downstream of wetland 10XX.	-	Sand, cobble, gravel, bedrock Width: 1-3 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
10B	08-N	Intermittent	Waters 10B is an intermittent channel located within the southern quadrant of the I-495/MD 295 interchange that originates from a head cut and flows west under the cloverleaf ramp to Waters 10C.	-	Silt, cobble, sand Width: 2-3 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
10B_1							Yes	Yes
10B_C							Yes	Yes
10BB	09-A	Perennial	Waters 10BB is a perennial channel located west of the ramp from the I-495 outer loop to MD 201.	-	Clay, sand Width: 3 ft Depth: 4 in	Right: forest Left: I-95/495 ramp to MD 201	Yes	Yes
10BB_C								
10C	08-P	Perennial	Waters 10C is a perennial channel located within the southwest cloverleaf of the I-495/MD 295 interchange that flows south from Wetland 10D, into a culvert (10C_C) under the exit ramps, and outfalls before flowing south beyond the ROW fence (10C_1).	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 6 – 18 in	Right: forest Left: forest	Yes	Yes
10C_1							Yes	Yes
10C_C							Yes	Yes
10CC	-	Intermittent	Waters 10CC is an intermittent channel located south of the I-495/MD 201 interchange and northeast of Walker Drive that flows northeast.	-	Sand, muck Width: 4-10 ft Depth: 1-4 ft	Right: forest Left: forest	Yes	Yes
10D	W69PG	PSS	Wetland 10D is a PSS located within the south cloverleaf of the I-495/MD 295 interchange.	Common reed Sweet-gum Red maple Groundseltree	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10DD	-	PFO	Wetland 10DD is a PFO located in the I-295 median southwest of the I-295/I-495 interchange that abuts Waters 10TT.	Red maple Willow oak Sweet-gum Common winterberry Horsebrier	-	-	Yes	Yes
10E	08-O	Perennial	Waters 10E is a perennial channel located within the south cloverleaf of the I-495/MD 295 interchange that flows into Wetland 10D.	-	Silt, sand, cobble Width: 1.5 ft Depth: 6 in	Right: I-495 Left: forest	Yes	Yes
10EE	-	PFO	Wetland 10EE is a PFO located in the I-295 median southwest of the I-295/I-495 interchange.	Red maple Sweet-gum American elm Willow oak Lamp rush Eastern poison ivy Horsebrier	-	-	Yes	Yes
10F	08-L	Intermittent	Waters 10F is an intermittent channel located southwest of the I-495/MD 295 interchange that flows southeast under the northbound lanes of I-295 and an exit ramp before flowing west outside of the study area.	-	Silt, cobble, sand Width: 2-8 ft Depth: 1-8 in	Right: forest Left: forest	Yes	Yes
10F_1							Yes	Yes
10F_2							Yes	Yes
10F_C							Yes	Yes
10F_C1							Yes	Yes
10FF	-	Intermittent	Waters 10FF is an intermittent channel located west of the northbound I-295 off ramp to westbound Greenbelt Road that flows from a culvert into Wetland 10GG.	-	Silt, sand, gravel, muck Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
10G	-	Ephemeral	Waters 10G is an ephemeral channel located south of the I-495/MD 295 interchange.	-	Silt, sand, muck Width: 2-4 ft Depth: <1-3 ft	Right: forest Left: forest	Yes	No
10GG	-	PFO	Wetland 10GG is a PFO located west of the northbound I-295 off ramp to westbound Greenbelt Road that abuts Waters 10FF.	Red maple Sweet-gum American elm Black tupelo Eastern poison ivy Horsebrier	--		Yes	Yes
10H	08-Q	PFO	Wetland 10H is a PFO located south of the ramp from northbound MD 295 to the I-495 inner loop.	Red maple Sweet-gum Eastern poison ivy	-	-	Yes	Yes
10I	-	PFO	Wetland 10I is a PFO located south of the I-495/MD 295 interchange.	Red maple Black tupelo Sweet-gum Cinnamon fern Sensitive fern	-	-	Yes	Yes
10J	W68PG	Intermittent	Waters 10J is an intermittent ditch located within the west cloverleaf of the I-495/MD 295 interchange.	-	Concrete Width: 2 ft Depth 1-2 in	Right: forest Left: forest	No	Yes
10J_C								
10JJ	-	Intermittent	Waters 10JJ is an intermittent ditch located south of I-295 and northwest of Mandan Road that originates at a culvert under I-295 and flows northeast out of the study area.	-	Silt, cobble, sand Width: 3 ft Depth: 1.5 ft	Right: forest Left: forest	No	Yes
10K	W17PG	Intermittent	Waters 10K is an intermittent channel located in the east cloverleaf of the I-495/MD 295 interchange that flows south under I-95/I-495.	-	Gravel, sand, silt Width: 2-4 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
10K_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10KK	-	Intermittent	Waters 10KK is an intermittent ditch located east of the on ramp from Greenbelt Road to I-295 northbound that flows southwest into Waters 10MM.	-	Silt, sand, cobble Width: 5 ft Depth: 6 in	Right: forest Left: forest	No	Yes
10L	08-G	Intermittent	Waters 10L is an intermittent channel located north of the on ramp from southbound MD 295 to the I-495 outer loop that flows north from a culvert under the ramp and continues outside the study area.	-	Silt Width: 2-10 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
10M	08-H	PFO	Wetland 10M is a PFO located north of the on ramp from southbound MD 295 to the I-495 outer loop, abutting Waters 10L beyond the ROW fence.	Sweet-gum Red maple Broad-leaf cat-tail	-	-	Yes	Yes
10MM	-	Intermittent	Waters 10MM is an intermittent channel located north of I-295 and south of Ridge Road that flows south through a culvert under I-295 into Waters 10PP.	-	Silt, cobble, sand Width: 5 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
10MM_1							Yes	Yes
10MM_C							Yes	Yes
10N	08-I	Intermittent	Waters 10N is an intermittent channel located east of the I-495 outer loop and south of MD-193 that flows west from outside the study area into a culvert under I-495.	-	Silt, sand, gravel, concrete Width: 6-10 ft Depth: 3-10 in	Right: forest Left: forest	Yes	Yes
10N_1	W66PG						Yes	Yes
10N_C	08-I						Yes	Yes
10N_D	W66PG						No	Yes
10NN	-	PFO	Wetland 10NN is a PFO located north of I-295 and east of the I-295 off ramp to Southway.	Sweet-gum Black tupelo Sweet wood-reed Pinkweed (<i>Persicaria pensylvanica</i>)	-	-	Yes	Yes
10O	-	Ephemeral	Waters 10O is an ephemeral channel located in the MD 295 median and west of the I-495 inner loop.	-	Silt, sand Width: 2-4 ft Depth: 0-2 in	Right: forest Left: forest	Yes	No
10P	08-M	PFO	Wetland 10P is a PFO located in the MD 295 median, west of the MD 295/I-495 interchange.	Sweet-gum Sensitive fern Cinnamon fern	-	-	Yes	Yes
10PP	-	Intermittent	Waters 10PP is an intermittent channel located north of I-295 and east of the I-295 off ramp to Southway that flows south from Wetland 10NN, under I-295, and flows west.	-	Cobble, sand, gravel, and riprap Width: 4 ft Depth: 1.5 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
10PP_1							Yes	Yes
10PP_C							Yes	Yes
10Q	-	Ephemeral	Waters 10Q is an ephemeral channel located north of the eastern cloverleaf of the I-495/MD 201 interchange.	-	Silt, gravel Width: 1-3 ft Depth: 0-3 in	Right: forest Left: forest	Yes	No
10Q_C								
10QQ	-	Perennial	Waters 10QQ is a perennial channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10TT.	-	Silt, sand, cobble, gravel Width: 6 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
10R	09-C	PFO	Wetland 10R is a PFO located within the eastern cloverleaf of the I-495/MD 201 interchange.	Red maple Tuliptree Black tupelo Siberian crabapple (<i>Malus baccata</i>) Eastern poison ivy	-	-	Yes	Yes
10RR	-	Ephemeral	Waters 10RR is an ephemeral channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10QQ.		Silt, sand, leaf litter Width: 3 ft Depth: 5 ft	Right: forest Left: forest	Yes	No
10S	W19PG	Perennial	Waters 10S is a perennial channel located within the eastern cloverleaf of the I-495/MD 201 interchange.	-	Sand, concrete Width: 3 ft Depth: 4.5 ft	Right: forest Left: forest	Yes	Yes
10S_C								
10SS	-	Intermittent	Waters 10SS is an intermittent channel located east of I-295 and south of the I-295/I-495 interchange that flows south into Waters 10QQ.	-	Silt, cobble, gravel, sand Width: 7 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
10T	09-R	PFO	Wetland 10T is a PFO located north of the ramp from northbound MD 201 to the I-495 inner loop.	Red maple Black tupelo Sweet-gum Netted chain fern	-	-	Yes	Yes
10TT	-	Perennial	Waters 10TT is a perennial channel located south of the I-295/I-495 interchange that flows east under I-295 and out of the study area.	-	Sand, silt Width: 15 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
10TT_1							Yes	Yes
10TT_2							Yes	Yes
10TT_C							Yes	Yes
10TT_C1							Yes	Yes
10U	09-S	Intermittent	Waters 10U is an intermittent channel located north of the ramp from northbound MD 201 to the I-495 inner loop that flows southeast to a culvert under I-495.	-	Silt, cobble, muck Width: 3-5 ft Depth: 5 in	Right: forest Left: forest	Yes	Yes
10UU	-	Intermittent	Waters 10UU is an intermittent channel located east of I-295 and south of the I-295/I-495 interchange and flows northwest into Waters 10TT.	-	Silt, sand Width: 3 ft Depth: 2 in	Right: scrub-shrub Left: forest	Yes	Yes
10V	09-P	PEM	Wetland 10V is a PEM located between I-495 and the ramp from northbound MD 201 to the I-495 inner loop.	Lamp rush Mild water-pepper Amur peppervine	-	-	Yes	Yes
10VV	-	PEM	Wetland 10VV is a PEM located east of I-295 and south of the I-295/I-495 interchange that abuts Waters 10TT.	Sweet-gum Broad-leaf cat-tail Reed canary grass Japanese stilt grass	-	-	Yes	Yes
10W	09-Q	PEM	Wetland 10W is a PEM ditch located south of the ramp from northbound MD 201 to the I-495 inner loop.	Lamp rush Shallow sedge	-	-	Yes	Yes
10WW		PFO	Wetland 10WW is a PFO located east of I-295 and south of the I-295/I-495 interchange that abuts Wetland 10VV.	Black tupelo Red maple American holly Skunk-cabbage Cinnamon fern Japanese stilt grass	-	-	Yes	Yes
10X	-	Ephemeral	Waters 10X is an isolated ephemeral channel located west of the I-495 outerloop and north of MD 193.	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
10XX	-	PFO	Wetland 10XX is a PFO located west of I-295 and south of the I-295/I-495 interchange that abuts Waters 10TT.	Sweet-gum Red maple Black tupelo American hornbeam Northern spicebush Highbush blueberry Japanese stilt grass	-	-	Yes	Yes
10Y	-	Perennial	Waters 10Y is a perennial channel located south of the I-495/MD 201 interchange and northeast of Walker Drive.	-	Silt, cobble, sand, concrete Width: 2 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
10Y_C							Yes	Yes
10YY	09-D	Perennial	Waters 10YY is a perennial channel located northeast of the I-495/MD-201 interchange and south of Crescent Road.	-	Concrete Width: 2-4 ft Depth: 2-15 in	Right: hedgerow Left: hedgerow	Yes	Yes
10Z	-	PFO	Wetland 10Z is a PFO located south of the I-495/MD 201 interchange and northeast of Walker Drive.	Sweet-gum American beech American holly Red maple Sweet-bay Common reed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
Subsegment 11								
11A	09-F	Intermittent	Waters 11A is an intermittent and perennial ditch located south of the ramp from southbound MD 201 to the I-495 outer loop that begins at an ephemeral ditch, flows west into a culvert that flows under the I-495 on-ramp and outside of the study area. The ditch becomes perennial downstream of its convergence with Wetland 11B.	-	Silt, cobble, sand, gravel, concrete Width: 5 ft Depth: 6 in	Right: forest Left: forest	No	Yes
11A_1	09-F	Perennial					Yes	Yes
11AA	09-Y	Intermittent	Waters 11AA is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast into Waters 11L.	-	Cobble, muck Width: 2-3 ft Depth: 2-8 in	Right: forest Left: hedgerow	Yes	Yes
11B	-	PFO	Wetland 11B is a PFO located south of the ramp from southbound MD 201 to the I-495 outer loop.	Sweet-gum Pin oak Morrow's honeysuckle Horsebrier	-	-	Yes	Yes
11BB	-	Intermittent	Waters 11BB is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast from Wetland 11F into Waters 11L.	-	Cobble, sand Width: 1 ft Depth: 2-8 in	Right: forest Left: forest	Yes	Yes
11C	W20PG	Intermittent	Waters 11C is an intermittent channel located south of the ramp from southbound MD 201 to the I-495 outer loop that flows north into Waters 11A.	-	Silt, cobble, sand, gravel, riprap Width: 3 ft Depth: 0-3 in	Right: forest Left: forest	Yes	Yes
11C_C								
11CC	09-Z	Intermittent	Waters 11AA is an intermittent channel located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that flows south from Wetland 11FF into Waters 11AA.	-	Silt, sand, muck Width: 1-2 ft Depth: 1-4 in	Right: forest Left: forest	Yes	Yes
11D	-	Intermittent	Waters 11D is an intermittent channel located south of the ramp from southbound MD 201 to the I-495 outer loop and flows east into Waters 11C.	-	Silt, sand Width: 1-2 ft Depth: 0-3 in	Right: forest Left: forest fringe transitioning to mowed roadway ROW	No	Yes
11DD	09-GG	PEM	Wetland 11DD is a PEM located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop, in the floodplain of Waters 11CC.	Reed canary grass	-	-	Yes	Yes
11E	W21PG	Perennial	Waters 11E is a perennial channel located northwest of the I-495/MD-201 interchange, that originates at Greenbelt Lake (outside of the study area) and flows northwest under I-495. Waters 11E flows through subsegments 10 and 11.	-	Silt, sand, gravel, concrete, riprap Width: 10-20 ft Depth: 3 in – 3 ft	Right: forest Left: forest	Yes	Yes
11E_C							Yes	Yes
11E_C1							Yes	Yes
11E_C2							Yes	Yes
11E_D							Yes	Yes
11E_D1							Yes	Yes
11E_D2							Yes	Yes
11EE	09-HH	PFO	Wetland 11EE is a PFO located east of the I-495 outer loop and southeast of the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11AA.	Red maple Northern spicebush Skunk-cabbage Horsebrier	-	-	Yes	Yes
11F	09-E	PEM	Wetland 11F is a PEM located south of I-495 inner loop and south of Cherrywood Lane that abuts Waters 11H.	Common reed	-	-	Yes	Yes
11FF	-	PFO	Wetland 11FF is a PFO located east of the I-495 outer loop and east of the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11BB and Waters 11CC.	Red maple Sweet-gum Common reed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
11G	09-L	Intermittent	Waters 11G is an intermittent channel located west of the I-495 inner loop and east of Edmonston Road that originates as a concrete-lined channel and flows south into a culvert under I-495.	-	Silt, sand, concrete, muck Width: 3-10 ft Depth: 4-15 in	Right: forest Left: forest	No	Yes
11GG	-	Ephemeral	Waters 11GG is an ephemeral channel located south of the I-495 inner loop and east of 52nd Place that flows southwest into Wetland 11HH.	-	Sand Width: 6 in – 2 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
11H	W62PG	Intermittent	Waters 11H is an intermittent channel located south of the I-495 inner loop and east of Cherrywood Lane that flows northwest from a culvert draining the I-495 median into Wetland 11F.	-	Silt, sand Width: 4 ft Depth: 2-4 in	Right: forest Left: forest	No	Yes
11HH	-	PFO	Wetland 11HH is a PFO located south of the I-495 inner loop and east of 52nd Place that abuts Waters 11GG.	Red maple Small-spike false nettle Dotted smartweed	-	-	Yes	Yes
11I	09-FF	PFO	Wetland 11I is a PFO located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection.	Red maple Green ash Horsebrier Gray’s sedge (<i>Carex grayi</i>)	-	-	Yes	Yes
11II	-	PFO	Wetland 11II is a PFO located south of Greenbelt Station Road and the I-495 inner loop within the floodplain of Indian Creek.	Black tupelo Red maple Sweetgum American hornbeam Japanese honeysuckle Northern long sedge (<i>Carex folliculata</i>) Eastern star sedge (<i>Carex radiata</i>) Common blue violet (<i>Viola sororia</i>)	-	-	Yes	Yes
11J	-	Intermittent	Waters 11J is an intermittent channel located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection that flows north into Wetland 11K.	-	Silt, sand Width: 2-6 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
11K	-	PFO	Wetland 11K is a PFO located south of the I-495 inner loop and northeast of the Greenbelt Metro Drive/Cherrywood Lane intersection that abuts Waters 11J and Waters 11L.	Red maple Green arrow-arum (<i>Peltandra virginica</i>)	-	-	Yes	Yes
11L	09-AA	Perennial	Waters 11L is a perennial channel, known as Indian Creek, that flows southwest under I-495, north of Cherrywood Lane.	-	Silt, cobble, sand, gravel Width: 40 ft Depth: 1-3 ft	Right: forest Left: forest	Yes	Yes
11L_1							Yes	Yes
11L_2							Yes	Yes
11L_3							Yes	Yes
11L_B							Yes	Yes
11L_B1							Yes	Yes
11L_B2							Yes	Yes
11M	09-DD	Intermittent	Waters 11M is an intermittent channel located south of the I-495 inner loop and northwest of Greenbelt Metro Drive that flows southeast from Wetland 11O, underneath the Greenbelt Station ramp to the I-495 outer loop, along Wetland 11N, and into Waters 11L.	-	Silt, muck Width: 3-5 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
11M_1							Yes	Yes
11M_B							Yes	Yes
11N	09-EE	PFO	Wetland 11N is a PFO located south of the I-495 inner loop and southeast of the Greenbelt Station Road/Greenbelt Metro Drive intersection that abuts Waters 11M.	Sweet-gum Slippery elm Silver maple Eastern poison ivy Skunk-cabbage	-	-	Yes	Yes
11O	09-CC	PEM	Wetland 11O is a PEM located south of the I-495 inner loop and northwest of the Greenbelt Station Road/Greenbelt Metro Drive intersection that abuts Waters 11M.	Common reed Narrow-leaf cat-tail Climbing nightshade (<i>Solanum dulcamara</i>)	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
11P	09-BB	PFO	Wetland 11P is a PFO located south of the I-495 inner loop and north of Greenbelt Metro Drive that abuts Wetland 11O.	Black tupelo Willow oak Green ash	-	-	Yes	Yes
11Q	-	PEM	Wetland 11Q is a PEM located north of the I-495 outer loop and northwest of the Rhode Island Avenue/Locust Hill Drive intersection that abuts Waters 11S.	Lamp rush Spotted touch-me-not Broad-leaf cat-tail	-	-	Yes	Yes
11R	W22PG	Perennial	Waters 11R is an intermittent and perennial channel located north of the I-495 outer loop and west of Rhode Island Avenue that flows northeast from a culvert draining a man-made drainage swale, under Locust Hill Drive, and outside of the study area. The portion downstream of its convergence with 11T_C is considered perennial, while the remainder of the feature is intermittent.	-	Silt, cobble, sand, gravel, concrete Width: 2-6 ft Depth: 0-12 in	Right: forest Left: forest	Yes	Yes
11R_1		Perennial					Yes	Yes
11R_2		Perennial					Yes	Yes
11R_C		Perennial					Yes	Yes
11R_D		Intermittent					No	Yes
11S	-	Intermittent	Waters 11S is an intermittent channel located north of the I-495 outer loop that flows east from Sunnyside Park, under a roadway, and into Wetland 11Q.	-	Silt, sand, gravel Width: 3-6 ft Depth: 1-6 in	Right: forest, mowed lawn Left: forest, mowed lawn	Yes	Yes
11S_1							Yes	Yes
11S_C							Yes	Yes
11T	-	Perennial	Waters 11T is a perennial channel located south of the I-495 inner loop and west of Rhode Island Avenue that originates at a culvert under I-495 and flows south outside of the study area.	-	Silt, cobble, sand, gravel, concrete Width: 6-15 ft Depth: 3-10 in	Right: hedgerow adjacent to parking lot Left: hedgerow adjacent to Rhode Island Avenue	Yes	Yes
11T_C							Yes	Yes
11U	09-J	PFO	Wetland 11U is a PFO located east of the I-495 outer loop and north of Cherrywood Lane that abuts Waters 11V.	Red maple Swamp white oak (<i>Quercus bicolor</i>) Sweet-gum Japanese stilt grass Japanese honeysuckle Common reed	-	-	Yes	Yes
11V	09-I	Perennial	Waters 11V is a perennial channel located east of the I-495 outer loop and north of Cherrywood Lane that flows northwest into Waters 11L.	-	Cobble, gravel, muck Width: 3-8 ft Depth: 5-15 in	Right: hedgerow Left: forest	Yes	Yes
11W	09-U	PEM	Wetland 11W is a PEM located north of the I-495 outer loop and south of the Washington Metropolitan Area Transit Authority Greenbelt Rail Yard.	Broad-leaf cat-tail	-	-	Yes	Yes
11X	09-V	PEM	Wetland 11X is a PEM located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11Y.	Common reed	-	-	Yes	Yes
11Y	09-W	Intermittent	Waters 11Y is an intermittent channel located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that flows southeast from Wetland 11X into Wetland 11Z.	-	Silt, sand Width: 2-5 ft Depth: 2-5 in	Right: forest Left: forest	Yes	Yes
11Z	09-X	PFO	Wetland 11Z is a PFO located north of the I-495 outer loop and within the ramp from Greenbelt Station Road to the I-495 outer loop that abuts Waters 11Y and Waters 11AA.	Red maple Slippery elm Sweet-gum Southern arrow-wood Common reed Duck-potato (<i>Sagittaria latifolia</i>) Fringed sedge (<i>Carex crinita</i>)	-	-	Yes	Yes
Subsegment 12								

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12A	11-Z	PEM	Wetland 12A is a PEM located in a ditch south of the I-95/I-495 interchange, between the park-and-ride and weigh station.	Common reed Broad-leaf cat-tail	-	-	Yes	Yes
12AA	11-X	PFO	Wetland 12AA is a PFO located in the I-495 median median and west of the I-95 southbound ramp to the park-and-ride.	Red maple Black tupelo Sweet-bay Highbush blueberry Horsebrier	-	-	Yes	Yes
12AAA	11-II	PEM	Wetland 12AAA is a PEM located north of the I-495 outer loop and south of the ramp from I-95 northbound to the I-495 inner loop and abuts Waters 12BBB.	Reed canary grass	-	-	Yes	Yes
12AAAA	-	Intermittent	Waters 12AAAA is an intermittent channel located west of I-95 south and southwest of Sellman Road that abuts Wetland 12DDDD and flows south into Waters 12YYY.	-	Silt, cobble, sand, gravel, concrete Width: 1-6 ft Depth: 1-8 in	Right: forest Left: forest	Yes	Yes
12B	W43PG	PEM	Wetland 12B is a PEM located south of the I-95/I-495 interchange, northeast of the park-and-ride that abuts Waters 12C.	Purple loosestrife Blunt spike-rush Rice cut grass	-	-	Yes	Yes
12BB	W36PG	PFO	Wetland 12BB is a PFO located in the I-495 median, south of Duncan Road, in the floodplain of Waters 12K.	Red maple Horsebrier Sweet-bay Cinnamon fern	-	-	Yes	Yes
12BBB	11-RR	Intermittent	Waters 12BBB is an intermittent channel located north of the I-495 outer loop and south of the ramp from I-95 northbound to the I-495 inner loop. The feature originates from a culvert under the ramp and flows southeast into Wetland 12AAA.	-	Silt, leaves Width: 3-5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12BBBB	-	PFO	Wetland 12BBBB is a PFO located west of I-95 south and northwest of Edgefield Drive near Paint Branch.	Red maple Rambler rose Japanese-knotweed Japanese honeysuckle Japanese stilt grass	-	-	Yes	Yes
12C	11-QQ	Perennial	Waters 12C is a perennial channel located south of the I-95/I-495 interchange, northeast of the park-and-ride. The feature originates at Wetland 12B and flows north.	-	Sand Width: 2 ft Depth: 4 in	Right: forest, BARC property Left: forest, parking lot	Yes	Yes
12C_C								
12CC	W32PG	PFO	Wetland 12CC is a PFO located in the I-495 median south of Aster Lane.	Red maple Woolgrass Broad-leaf cat-tail	-	-	Yes	Yes
12CCC	W41PG	Perennial	Waters 12CCC is a perennial channel located southeast of the I-95/I-495 interchange, north of Orchard Loop Road that flows east into Paint Branch.	-	Sand, concrete Width: 4 ft Depth: 2-6 in	Right: agricultural area, parking lot Left: forest	Yes	Yes
12CCCC	-	PFO	Wetland 12CCCC is a PFO located west of I-95 south and northwest of Edgefield Drive near Paint Branch.	Red maple American sycamore Lamp rush Japanese stilt grass	-	-	Yes	Yes
12D	11-AA	PFO	Wetland 12D is a PFO located on the west side of the I-495/I-95 park and ride and adjacent to perennial channel 12E.	Red maple Southern arrow-wood	-	-	Yes	Yes
12DD	W31PG	POW	Waters 12DD is a perennial channel/open water pond located in the I-495 median, south of Aster Lane that flows east from Wetland 12CC into Waters 12EE.	-	Muck Width: 100 ft Depth: < 2 ft	Right: mowed grass Left: mowed grass	Yes	Yes
12DDD	W57PG	PEM	Wetland 12DDD is a PEM located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop that abuts Waters 12FFF.	Broad-leaf cat-tail	-	-	Yes	Yes
12DDDD	-	PEM	Wetland 12DDDD is a PEM located west of I-95 south and southwest of Sellman Road, that abuts Waters 12AAAA.	Broad-leaf cat-tail	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12E	W42PG	Perennial	Waters 12E is a perennial channel located south of the I-95/I-495 interchange and west of the weigh station. The feature originates from a pipe under the ramp from I-495 eastbound to I-95 northbound, flows under the ramp to the park-and-ride from the I-495 inner loop, and flows south into Wetland 12D.	-	Mud Width: 3 ft Depth: 2 ft	Right: forest Left: parking lot	Yes	Yes
12E_1							Yes	Yes
12E_C							Yes	Yes
12E_C1							Yes	Yes
12EE	W35PG	Intermittent	Waters 12EE is an intermittent channel located in the I-495 median south of Aster Lane that flows east from a stormwater outfall pipe and south from a culvert under the I-495 outer loop. Waters 12EE_C flows under the I-495 inner loop and into Waters 12III.	-	Cobble, sand, silt, gravel Width: 2 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
12EE_C							Yes	Yes
12EEE	-	PFO	Wetland 12EEE is a PFO located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop.	Red maple Black tupelo Callery pear Twinsisters (<i>Lonicera tatarica</i>) Japanese honeysuckle Green ash Rambler rose Eastern poison ivy	-	-	Yes	Yes
12EEEE	-	Perennial	Waters 12EEEE is a perennial channel located west of I-95 south and southwest of Green Ash Court that flows north into a culvert under I-95.	-	Silt, sand, gravel Width: 2-5 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
12F	W40PG	Perennial	Waters 12F is a perennial channel located south of the I-95/I-495 interchange and north of the weigh station. The feature begins at Waters 12CCC and flows west into Waters 12E.	-	Gravel, cobble, sand Width: 5 ft Depth: 3 ft	Right: forest, shrubs Left: forest, shrubs	Yes	Yes
12F_C							Yes	Yes
12FF	11-LL	PEM	Wetland 12FF is a PEM located in the I-495 median, south of I-95 southbound.	Unknown sedge species Slender spike-rush (<i>Eleocharis tenuis</i>)	-	-	Yes	Yes
12FFF	-	Ephemeral	Waters 12FFF is an ephemeral channel located south of the I-495 inner loop and west of the ramp from the park-and-ride to the I-495 outer loop that flows north from Wetland 12DDD to Wetland 12EEE.	-	Silt, sand, gravel Width: 2-3 ft Depth: 1 in	Right: forest Left: forest, mowed ROW	Yes	No
12FFFF	-	POW	Waters 12FFFF is a POW located in the 1-95/495 median west of the Cherry Hill Road overpass, east of Wetland JJ.	-	Silt, sand, muck Width: 35 ft Depth: 100 ft	Right: forest Left: forest	Yes	Yes
12G	W49PG	Intermittent	Waters 12G is an intermittent channel located in the southwest cloverleaf of the I-95/I-495 interchange that flows north into Waters 12H.	-	Cobble, silt, sand, gravel Width: 1-2 ft Depth: < 6 in	Right: forest Left: forest	Yes	Yes
12GG	11-GG	PFO	Wetland 12GG is a PFO wetland located in the I-495 median, south of I-95 southbound.	New York ironweed (<i>Vernonia noveboracensis</i>) Green ash Red maple	-	-	Yes	Yes
12GGG	11-BB	Ephemeral	Waters 12GGG is an ephemeral channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that flows west into Waters 12JJJ.		Silt, sand, gravel, muck Width: 1-2 ft Depth: 6 in	Right: forest Left: forest	Yes	No
12GGGG	-	PFO	Wetland 12GGGG is a PFO located north of I-495 and east of Riggs Road, and south of Wetland 12JJJJ.	Red maple Sweet-gum Horsebrier Unknown grass species	-	-	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12H	-	Perennial	Waters 12H is a perennial channel located within the I-95/I-495 interchange, south of the I-495 inner loop that flows east under multiple ramps into Waters 12II.	-	Gravel, cobble, bedrock Width: 5-8 ft Depth: 2 ft	Right: I-495 Left: forest, open field	Yes	Yes
12H_1							Yes	Yes
12H_2							Yes	Yes
12H_3							Yes	Yes
12H_4							Yes	Yes
12H_5							Yes	Yes
12H_B							Yes	Yes
12H_B1							Yes	Yes
12H_C							Yes	Yes
12H_C1							Yes	Yes
12H_C2							Yes	Yes
12HH	11-FF	Perennial	Waters 12HH is a perennial channel located in the I-495 median, south of I-95 southbound that flows east from Waters 12Y and Wetland 12GG into Waters 12II.	-	Silt, sand, cobble Width: 2-4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12HHH	11-CC	Intermittent	Waters 12HHH is an intermittent channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that flows east into Waters 12JJJ.	-	Silt, sand, gravel Width: 2-4 ft Depth: 2-6 in	Right: forest Left: forest	No	Yes
12HHHH	-	Intermittent	Waters 12HHHH is an intermittent channel located east of Wetland 12IIII and north of I-495. Waters 12HHHH drains out of Wetland 12IIII.	-	Silt, sand, muck Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
12I	11-V	Intermittent	Waters 12I is an intermittent channel located within the southwest cloverleaf of the I-95/I-495 interchange that flows south into Waters 12H.	-	Silt, sand, gravel Width: 12-16 in Depth: < 6 in	Right: forest Left: forest	Yes	Yes
12II	W30PG	Perennial	Waters 12II is a perennial channel known as Paint Branch located within the I-95/I-495 interchange that flows south through the interchange and outside of the study area.	-	Cobble, gravel Width: 30 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
12II_1							Yes	Yes
12II_2							Yes	Yes
12II_3							Yes	Yes
12II_4							Yes	Yes
12II_5							Yes	Yes
12II_6							Yes	Yes
12II_7							Yes	Yes
12II_8							Yes	Yes
12II_B							Yes	Yes
12II_B1							Yes	Yes
12II_B2							Yes	Yes
12II_B3							Yes	Yes
12II_C							Yes	Yes
12II_C1							Yes	Yes
12II_C2							Yes	Yes
12II_C3							Yes	Yes
12III	-	Intermittent	Waters 12III is an intermittent channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride. The feature flows from Waters 12EE_C east to Waters 12JJJ.	-	Silt, cobble, sand, grave, concrete rubble Width: 3-6 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
12IIII	-	PFO	Wetland 12IIII is a PFO located north of I-495 and drains to the east into Waters 12HHHH.	Black tupelo Red maple Japanese stilt grass Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12J	11-U	PFO	Wetland 12J consists of two unconnected, but similar PFOs located in the southwest cloverleaf of the I-95/I-495 interchange, in the floodplain of Waters 12H.	Red maple Sweet-gum Black tupelo Sweet-bay Highbush blueberry Unknown sedge species Partridge-berry (<i>Mitchella repens</i>) Southern arrow-wood Japanese honeysuckle	-	-	Yes	Yes
12JJ	-	PEM	Wetland 12JJ is a PEM located in in the I-95/495 median west of the Cherry Hill Road overpass that abuts Waters 12KK.	Japanese stilt grass Asiatic tearthumb	-	-	Yes	Yes
12JJJ	W44PG	Perennial	Waters 12JJJ is a perennial channel located southwest of the I-95/I-495 interchange, south of the ramp from the I-495 inner loop to the park-and-ride that originates outside of the study area and flows northeast into Waters 12H.	-	Silt, cobble, sand, gravel Width: 8-12 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
12JJJ_C							Yes	Yes
12JJJJ	-	PFO	Wetland 12JJJJ is a PFO located north of I-495 and east of Riggs Road, and north of Wetland 12GGGG.	Sweet-gum Black tupelo American holly Japanese stilt grass Shallow sedge Horsebrier	-	-	No	Yes
12K	11-T	Perennial	Waters 12K is a perennial channel located in the I-495 median south of Duncan Road that originates at the confluence of Waters 12KKK, 12MMM, and 12NNN and flows southeast through culverts and into Waters 12H.	-	Silt, sand, cobble, gravel Width: 2-6 ft Depth: < 10 in	Right: forest Left: forest	Yes	Yes
12K_1							Yes	Yes
12K_C							Yes	Yes
12KK	11-P	Perennial	Waters 12KK is a perennial channel located in the I-95/495 median west of the Cherry Hill Road overpass that flows southwest into Waters 12II.	-	Gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
12KKK	-	Intermittent	Waters 12KKK is an intermittent channel and ephemeral channel located north of the I-495 outer loop and southwest of the terminus of Duncan Road that flows east through Wetland 12LLL and into Waters 12MMM.	-	Silt, sand, gravel Width: 2-3 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
12KKK_C							Yes	Yes
12KKKK	-	Intermittent	Waters 12KKKK is an intermittent channel located east of Silver Lake Court and north of Wetland 12D.	-	Silt, sand, muck, rip-rap Width: 3 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
12LL	11-R	Ephemeral	Waters 12LL is an ephemeral channel located in the I-95/495 median west of the Cherry Hill Road overpass.	-	Silt, sand, cobble, gravel Width: 1 ft Depth: 1-5 ft	Right: forest, paved road Left: forest	Yes	No
12LLL	11-G	PFO	Wetland 12LLL is a PFO located north of the I-495 outer loop and southwest of the terminus of Duncan Road that abuts Waters 12KKK.	Red maple Sweet-bay Highbush blueberry Cinnamon fern Royal fern (<i>Osmunda spectabilis</i>) Black tupelo	-	-	Yes	Yes
12LLLL	-	Intermittent	Waters 12LLLL is an intermittent channel located west of the I-495/I-95 park and ride and southwest of Wetland 12D. Waters 12LLLL flows from Wetland 12NNNN and into Wetland 12D.	-	Silt, sand, cobble, gravel Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
12M	11-S	Intermittent	Waters 12M is an intermittent channel located in the southwest cloverleaf of the I-95/I-495 interchange that flows east from a stormwater outfall pipe into Waters 12H.	-	Silt, sand, gravel Width: 1-2 ft Depth: 1-3 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12MM	W58PG	Intermittent	Waters 12MM is an intermittent channel located south of the I-495 inner loop and east of Cherry Hill Road that flows east into Wetland 12NN.	-	Silt, sand, gravel, concrete Width: 1-3 ft Depth: 0-6 in	Right: forest Left: forest, roadway	No	Yes
12MMM	-	Ephemeral	Waters 12MMM is an ephemeral channel north of the I-495 outer loop and southwest of the terminus of Duncan Road that flows south to Waters 12KKK.	-	Silt, sand, concrete Width: 1-2 ft Depth: 1 in	Right: forest Left: forest	Yes	No
12MMMM	-	Intermittent	Waters 12MMMM is an intermittent channel located west of the I-495/I-95 park and ride, and north of Wetland 12NNNN and Waters 12LLLL. Waters 12MMMM flows from Wetland 12NNNN into Waters 12LLLL.	-	Silt, sand, gravel Width: 2 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
12N	W50PG	PFO	Wetland 12N is a PFO located in the southwest cloverleaf of the I-95/I-495 interchange.	Skunk-cabbage Cinnamon fern Cut-leaf water-horehound Virginia-creeper Silver maple Japanese stilt grass Greater bladder sedge (<i>Carex intumescens</i>)	-	-	Yes	Yes
12NN	10-A	PFO	Wetland 12NN is a PFO located south of the I-495 inner loop and east of Cherry Hill Road that abuts Waters 12MM.	Red maple Rambler rose Broad-leaf cat-tail Unknown sedge species Reed canary grass Horsebrier Eastern poison ivy	-	-	Yes	Yes
12NNN	-	Intermittent	Waters 12NNN is an intermittent channel located north of the I-495 outer loop and south of the terminus of Duncan Road that flows west into Waters 12KKK.	-	Silt, cobble, sand Width: 2-3 ft Depth: 1-3 in	Right: forest Left: forest	Yes	Yes
12NNNN	-	PFO	Wetland 12NNNN is a PFO located west of the I-495/I-95 park and ride and drains into Waters 12LLLL and Waters 12MMMM.	Black tupelo Red maple Smooth blackhaw Horsebrier Sweet-gum	-	-	Yes	Yes
12O	-	Intermittent	Waters 12O is an intermittent channel located at the foot of a roadway embankment in the I-95/I-495 interchange west of the southwest cloverleaf that flows southeast along Wetland 12Q and into Waters 12H.	-	Silt, sand, muck Width: 1-2 ft Depth: 2-6 in	Right: forest, roadway embankment Left: forest	No	Yes
12O_1							Yes	Yes
12OO	10-D	Perennial	Waters 12OO is a perennial channel known as Little Paint Branch that flows southwest under I-495 east of Cherry Hill Road and west of Baltimore Avenue, then flows outside of the study area.	-	Cobble, gravel Width: 30 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
12OO_1							Yes	Yes
12OO_C							Yes	Yes
12OOO	W52PG	PEM	Wetland 12OOO is a PEM located northeast of the I-95/I-495 interchange and southwest of Yosemite Lane that abuts Waters 12QQQ.	Spotted touch-me-not Allegheny blackberry Fringed sedge	-	-	Yes	Yes
12OOOO	-	PFO	Wetland 12OOOO is a PFO located northwest of the I-495/I-95 park and ride and east of Wetland 12D.	White oak (<i>Quercus alba</i>) Chestnut oak (<i>Quercus montana</i>) Red maple Sweet-gum Black tupelo Horsebrier	-	-	Yes	Yes
12P	-	Intermittent	Waters 12P is an intermittent channel located in the I-95/I-495 interchange west of the southwest cloverleaf that flows southwest into Waters 12H.	-	Silt, sand, muck, leaves Width: 1-3 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12PP	-	Intermittent	Waters 12PP is an intermittent channel located south of the I-495 inner loop and east of Cherry Hill Road that flows southeast into Wetland 12NN.	-	Silt, sand, gravel, clay Width: 1-4 ft Depth: 0-0.1 ft	Right: forest Left: forest	Yes	Yes
12PPP	11-E	Intermittent	Waters 12PPP is an intermittent channel located northeast of the I-95/I-495 interchange and south of Yosemite Lane. The feature flows west into Waters 12QQQ and 12QQQ_C under I-95 northbound.	-	Silt, sand, riprap Width: 2 ft Depth: 2 in	Right: forest Left: logged area, paved road	Yes	Yes
12PPPP	-	PFO	Wetland 12PPPP is a PFO located northwest of I-495/I-95 the park and ride and northeast of Wetland 12OOOO.	Red maple Black tupelo Horsebrier	-	-	Yes	Yes
12Q	W48PG	PFO	Wetland 12Q is a PFO located in the I-95/I-495 interchange west of the southwest cloverleaf that abuts Waters 12O and 12P.	Cinnamon fern Sweet-bay Highbush blueberry Japanese honeysuckle Willow oak Virginia pine	-	-	Yes	Yes
12QQ	-	PFO	Wetland 12QQ is a PFO located south of the I-495 inner loop and east of Cherry Hill Road that abuts Waters 12PP.	Red maple Sweet-gum Skunk-cabbage Shallow sedge Japanese stilt grass	-	-	Yes	Yes
12QQQ	11-D	Intermittent	Waters 12QQQ is an intermittent channel located northeast of the I-95/I-495 interchange and south of Yosemite Lane that originates at Wetland 12OOO and flows east to converge with Waters 12PPP before flowing into a culvert (12QQQ_C) under I-95.	-	Silt, sand, riprap Width: 1 ft Depth: 1 in	Right: logged area, paved road Left: unmanaged herbaceous area	Yes	Yes
12QQQ_C							Yes	Yes
12R	11-IX	Intermittent	Waters 12R is an intermittent channel located south of I-495 and east of the ramp from the I-495 inner loop to I-95 northbound that flows north into Waters 12H.	-	Silt, sand, concrete Width: 2-4 ft Depth: 0.1 ft	Right: roadway with narrow forest fringe Left: forest	No	Yes
12RRR	W51PG	Perennial	Waters 12RRR is a perennial channel located on the shoulder immediately north of the ramp split between the I-495 outer loop and I-95 northbound. The feature flows south through Waters 12RRR_C and into Waters 12KK.	-	Riprap Width: 3-5 ft Depth: 18 in	Right: forest Left: forest	Yes	Yes
12RRR_C							Yes	Yes
12S	11-H	Intermittent	Waters 12S is an intermittent channel located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound. The feature flows southeast from a concrete pipe under the I-495 outer loop and then south into Waters 12T and 12S_C.	-	Clay, mud Width: 4 ft Depth: 2 in	Right: forest Left: forest	Yes	Yes
12S_C							Yes	Yes
12SS	W26PG	PFO	Wetland 12SS is a PFO located north of the I-495 outer loop and east of Cherry Hill Road that abuts Waters 12UUU.	Sweet-gum Spotted touch-me-not Duck-potato Rice cut grass American water-plantain (Alisma subcordatum) Arrow-leaf tearthumb	-	-	Yes	Yes
12SSS	-	PFO	Wetland 12SSS is a PFO located north of the I-495 outer loop and west of Ikea Way that abuts Waters 12TT.	Black willow Reed canary grass Frost grape	-	-	Yes	Yes
12T	-	Intermittent	Waters 12T is an intermittent ditch and channel located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound. The feature is considered a ditch until it abuts Wetland 12U, then flows east into Waters 12S_C.	-	Sand, cobble, gravel Width: 0.5-2 ft Depth: 0.1 ft	Right: roadway Left: forest, wetland	Yes	Yes
12T_D							No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12TT	-	Perennial	Waters 12TT is a perennial channel located north of the I-495 outer loop and east of Cherry Hill Road that flows east into Waters 1200.	-	Silt, sand, gravel Width: 5-6 ft Depth: 3-10 in	Right: forest, open field Left: forest	Yes	Yes
12TTT	-	PEM	Wetland 12TTT is a PEM located north of I-495 and west of Ikea Way that is surrounded by Wetland 12SSS.	Common reed Reed canary grass	-	-	Yes	Yes
12U	W37PG	PFO	Wetland 12U is a PFO located in the I-495 median, between the ramp from I-95 southbound to the park-and-ride and the ramp from the I-495 inner loop to I-95 northbound that abuts Waters 12T.	Sweet-gum Red maple Japanese honeysuckle Southern arrow-wood Virginia-creeper Pin oak	-	-	Yes	Yes
12UU	-	PFO	Wetland 12UU is a PFO located north of the I-495 outer loop and west of the I-495 on ramp from US-1.	American sycamore Sweet-gum Shallow sedge	-	-	Yes	Yes
12UUU	10-G	Perennial	Waters 12UUU is a perennial channel located north of the I-495 outer loop and west of Ikea Way that flows east from Wetland 12SS into Waters 1200.	-	Silt, muck Width: 1-2 ft Depth: 2-8 in	Right: fence, field Left: hedgerow, road	Yes	Yes
12V	11-DD	Perennial	Waters 12V is a perennial channel located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that flows east from Waters 12S_C into Wetland 12W.	-	Gravel, cobble Width: 3 ft Depth: 2 in	Right: forest Left: I-495	Yes	Yes
12VV	-	PFO	Wetland 12VV is a PFO located east of I-95 southbound and north of the ramp from I-95 northbound to the I-495 inner loop.	River birch Tuliptree Shallow sedge Lamp rush Purple loosestrife	-	-	Yes	Yes
12VVV	11-L	Intermittent	Waters 12VVV is an intermittent ditch located in the I-95 median north of the I-495 outer loop park-n-ride exit ramp that flows south into Waters 12II.	-	Silt, sand, gravel Width: 1-3.5 ft Depth: < 1 in – 3 in	Right: forest Left: forest	No	Yes
12W	W39PG	PFO	Wetland 12W is a PFO located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that abuts Waters 12V and Wetland 12X.	Sweet-gum Red maple Japanese honeysuckle	-	-	Yes	Yes
12WW	11-K	Perennial	Waters 12WW is a perennial channel located north of the I-95/I-495 interchange, west of Adirondack Run that flows southwest into Waters 12II.	-	Silt, sand, cobble, gravel, riprap Width: 6-10 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
12WW_1							Yes	Yes
12WW_2							Yes	Yes
12WW_C							Yes	Yes
12WW_C1							Yes	Yes
12WWW	-	Intermittent	Waters 12WWW is an intermittent ditch and channel located east of I-95 north and northwest of Appalachian Trail Road. The feature is considered a ditch from its origin and under I-95 northbound until it reaches the median. The feature then flows west into Waters 12YYY.	-	Cobble, sand, gravel, concrete Width: 3-15 ft Depth: 1 in – 3 in	Right: forest Left: forest	No	Yes
12WWW_1							Yes	Yes
12WWW_C							No	Yes
12X	-	PEM	Wetland 12X is a PEM located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound that abuts Wetland 12W and Waters 12Y.	Callery pear Japanese stilt grass Broad-leaf cat-tail	-	-	Yes	Yes
12XX	11-A	Perennial	Waters 12XX is a perennial channel located north of the I-495 outer loop, east of Edgefield Drive that flows east into Waters 12II.	-	Silt, sand, cobble, gravel, bedrock Width: 4-6 ft Depth: < 1 ft	Right: forest Left: forest	Yes	Yes
12XX_1							Yes	Yes
12XX_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
12XXX	-	PEM	Wetland 12XXX is a PEM located in the median of I-95, south of Sellman Road, that abuts Waters 12YYY.	Broad-leaf cat-tail	-	-	Yes	Yes
12Y	11-EE	Intermittent	Waters 12Y is an intermittent ditch and channel located in the I-495 median, east of the on ramp from the I-495 inner loop to I-95 northbound. The feature is considered a ditch as it flows south until it abuts Wetland 12W, then flows east through Waters 12Y_C into Waters 12HH.	-	Silt, sand Width: 2-4 ft Depth: 1-6 in	Right: forest Left: forest, roadway	Yes	Yes
12Y_C							Yes	Yes
12Y_D							No	Yes
12YY	-	PFO	Wetland 12YY is a PFO located north of the I-495 outer loop and west of I-95 southbound.	Red maple Northern spicebush Green ash Winterberry Japanese honeysuckle Amur peppervine Frost grape	-	-	Yes	Yes
12YYY	-	Perennial	Waters 12YYY is an intermittent channel located in the median of I-95, south of Sellman Road, that flows south from Wetland 12XXX into Waters 12WWW.	-	Silt, cobble, sand, gravel Width: 2-5 ft Depth: 1-6 in	Right: roadway embankment Left: forest	Yes	Yes
12YYY_1							Yes	Yes
12YYY_2							Yes	Yes
12YYY_C							Yes	Yes
12YYY_C1							Yes	Yes
12Z	W38PG	Intermittent	Waters 12Z in an intermittent ditch located in the I-495 median, west of the I-95 southbound ramp to the park-and-ride.	-	Mud, concrete Width: 30 in Depth: 1 in	Right: forest Left: roadway	No	Yes
12Z_C							No	Yes
12ZZ	11-KK	Intermittent	Waters 12ZZ is an intermittent channel located within the I-95/I-495 interchange, west of the I-95 northbound/I-495 westbound split that flows south from the confluence of Waters 12PPP and Waters 12QQQ into Waters 12II.	-	Silt, cobble, gravel, riprap, muck Width: 2-30 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes
12ZZZ	-	PFO	Wetland 12ZZZ is a PFO located west of I-95 south and northeast of the terminus of Edgefield Drive.	American sycamore American hornbeam River birch Red maple Leafy bulrush	-	-	Yes	Yes
Subsegment 13								
13A	W220M	Intermittent	Waters 13A is an intermittent channel located south of I-495 and northwest of Corliss Street that flows southwest outside of the study area.	-	Silt, sand, cobble, gravel, concrete Width: 8-10 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
13B	-	Intermittent	Waters 13B is an intermittent channel located within the southwest cloverleaf of the I-495/New Hampshire Avenue interchange that flows southwest from a culvert into Waters 13C.	-	Sand, cobble, gravel, concrete Width: 2-4 ft Depth: 0-0.1 in	Right: forest Left: grass, ROW	No	Yes
13B_C							No	Yes
13C	-	Intermittent	Waters 13C is an intermittent channel located south of I-495 and north of Muskogee Street. The feature originates from Waters 13B under the I-495 on ramp, flows back under I-495 near 24th Avenue, and into Waters 13Z.	-	Silt, sand, cobble, riprap, gabion baskets Width: 4-6 ft Depth: 0-1 in	Right: forest Left: forest	No	Yes
13C_1							No	Yes
13C_C							No	Yes
13C_C1							No	Yes
13E	-	Ephemeral	Waters 13E is an ephemeral channel located north of I-495 and southeast of Big Rock Road that originates as an erosional headcut at I-495 and flows into Waters 13F.	-	Silt, sand, cobble, gravel Width: 3-4 ft Depth: 1-4 in	Right: forest Left: forest	Yes	No
13F	-	Perennial	Waters 13F is a perennial channel located north of I-495 and east of the terminus of Cherry Tree Lane that originates at a culvert and flows east.	-	Silt, sand, cobble, gravel, bedrock Width: 10-20 ft Depth: 2-24 in	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
13G	-	Intermittent	Waters 13G is an intermittent channel located north of I-495 and southeast of Big Rock Road that originates at the end of a concrete ditch draining I-495 and flows northeast into Waters 13F.	-	Silt, sand, cobble, gravel, bedrock Width: 2-4 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
13H	W17M	Perennial	Waters 13H is a perennial channel located north of I-495 and southeast of Cherry Tree Lane that flows into Waters 13F.	-	Silt, sand, cobble, gravel, bedrock Width: 2-6 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
13I	-	Ephemeral	Waters 13I is an ephemeral channel located south of I-495 and east of the terminus of East Indian Spring Drive that runs flows southeast from a pipe and through the sub-segment and becomes an intermittent channel before flowing into Waters 13P.	-	Silt, sand, cobble, gravel, bedrock Width: 6 ft Depth: 2 in	Right: forest Left: forest	Yes	No
13I_1		Intermittent					Yes	Yes
13J	-	Intermittent	Waters 13J is a man-made intermittent channel that originates in the northeast cloverleaf of the I-495/US 193 interchange and flows east under the exit ramp from the I-495 outer loop to US 193 and outside of the study area.	-	Silt, sand, gravel, concrete Width: 4 ft Depth: 6-12 in	Right: highway Left: mowed grass	No	Yes
13J_1							No	Yes
13J_2							No	Yes
13J_C							No	Yes
13J_C1							No	Yes
13K	-	Intermittent	Waters 13K is a partially concrete-lined intermittent channel located north of I-495 and west of Cresthaven Drive that originates at a concrete-lined drainage swale and flows west into northwest Branch Anacostia River.	-	Silt, sand, cobble, gravel, concrete Width: 1-2 ft Depth: 2-5 in	Right: forest Left: forest	Yes	Yes
13L	-	Ephemeral	Waters 13L is a partially concrete-lined ephemeral channel located south of I-495 and northwest of the terminus of Oakview Drive that originates at a concrete lined drainage swale and flows west into northwest Branch Anacostia River.	-	Silt, sand, cobble, gravel, concrete Width: 3 ft Depth: 0-2 in	Right: forest Left: forest	Yes	No
13M	W11M	Perennial	Waters 13M is an channel with perennial and intermittent flow located west of the I-495/MD 650 interchange that flows west along the outer loop and then southwest under I-495 and out of the study area.	-	Silt, sand, cobble, gravel Width: 4-8 ft Depth: 6-20 in	Right: forest, I-495 Left: forest, neighborhood	Yes	Yes
13M_1	-	Perennial					Yes	Yes
13M_C	-	Perennial					Yes	Yes
13M_D	-	Intermittent					No	Yes
13N	-	Ephemeral	Waters 13N is an ephemeral channel located south of I-495 and north of East Light Drive that originates at a headcut at a pipe outfall adjacent to the sound wall and flows southeast into Waters 13M.	-	Bedrock, concrete Width: 3-4 ft Depth: 0-1 in	Right: forest, I-495 Left: forest, neighborhood	Yes	No
13O	W218M	Intermittent	Waters 13O is an intermittent channel located south of I-495 and north of Hedin Drive that flows southeast into Water 13M.	-	Silt, sand, cobble, gravel Width: 2-3 ft Depth: 0-6 in	Right: forest Left: forest	Yes	Yes
13P	W15M	Perennial	Waters 13P is northwest Branch Anacostia River, a perennial channel located east of Big Rock Road and McAlpine Road and west of Cresthaven Drive and Oakview Drive that flows south under I-495.	-	Silt, sand, cobble, bedrock Width: 40 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
13P_1							Yes	Yes
13P_B							Yes	Yes
13Q	-	Intermittent	Waters 13Q is an intermittent channel located north of I-495 and south of the intersection of Elton Road and Avenel Gardens Lane that flows east into a culvert under I-495.	-	Concrete Width: 1 ft Depth: 0-0.1 in	Right: forest Left: forest	No	Yes
13Q_C							No	Yes
13R	-	Intermittent	Waters 13R is an intermittent channel located northeast of the I-495/New Hampshire Avenue interchange that flows south from an outfall under Elton Road.	-	Concrete Width: 1 ft Depth: 0.5 in	Right: grass, road Left: grassy hillslope	No	Yes
13R_C							No	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
13S	W8M	Intermittent	Waters 13S is an intermittent channel that originates in the northern cloverleaf of the I-495/New Hampshire Avenue interchange and flows northwest under two ramps and into Waters 13M.	-	Sand, muck Width: 2 ft Depth: 0-4 in	Right: forest Left: forest	Yes	Yes
13S_1							Yes	Yes
13S_C							Yes	Yes
13T	W202M	Intermittent	Waters 13T is an intermittent channel located in the southern cloverleaf of the I-495/New Hampshire Avenue interchange that flows southwest to a stormwater inlet.	-	Muck Width: 6 ft Depth: 0-1 in	Right: forest Left: forest	No	Yes
13T_C							No	Yes
13U		POW	Waters 13U is a POW located north of I-495 and east of Devere Road.	-	Sand, silt, and muck Width: 25-30 ft Depth: Unknown	Right: grass field Left: grass field	Yes	Yes
13X	-	Perennial	Waters 13X is a perennial channel located north of I-495 and east of Devere Road that flows southwest from an outfall under a gravel pathway and into Waters 13Y.	-	Sand, gravel Width: 2-6 ft Depth: 0-12 in	Right: grass Left: grass	Yes	Yes
13X_1							Yes	Yes
13X_C							Yes	Yes
13Y	-	Perennial	Waters 13Y is a perennial channel located north of I-495 and east of Devere Road that flows southeast into Waters 13M and a culvert under I-495.	-	Sand, cobble, gravel Width: 2-8 ft Depth: 0-5 in	Right: forest Left: grass	Yes	Yes
13Z	-	Intermittent	Waters 13Z is an intermittent channel located north of I-495 and south of Elton Road that flows east into a culvert under I-495.	-	Silt, sand, cobble, concrete Width: 3-8 ft Depth: 0.5-2 in	Right: forest Left: forest	No	Yes
Subsegment 14								
14A	W199M	Intermittent	Waters 14A is an intermittent channel located west of the I-495/University Boulevard interchange that flows south through a culvert under I-495 and continues outside the study area.	-	Silt, muck Width: 1-8 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
14A_1							Yes	Yes
14A_C							Yes	Yes
14B	-	Intermittent	Waters 14B is an intermittent channel located north of the I-495 outer loop and west of University Boulevard that originates at a culvert outfall and drains south into Wetland 14D.	-	Silt, sand, gravel Width: 1-3 ft Depth: 4-6 in	Right: mowed grass Left: mowed grass	Yes	Yes
14C	10-C	PEM	Wetland 14C is PEM located south of the I-495 inner loop and east of Colesville Road.	Broad-leaf cat-tail	-	-	Yes	Yes
14D	-	PSS	Wetland 14D is a PSS located north of the I-495 outer loop and west of University Boulevard that abuts Waters 14A and Waters 14B.	Black willow Common button bush (<i>Cephalanthus occidentalis</i>) Broad-leaf cat-tail	-	-	Yes	Yes
14E	-	Perennial	Waters 14E is a perennial channel that originates north of the I-495 outer loop and east of Colesville Road that flows through a culvert under I-495 and continues south beyond the study area.	-	Silt, concrete, muck Width: 4-6 ft Depth: 1-10 in	Right: forest Left: forest	Yes	Yes
14E_C							Yes	Yes
14E_C1							Yes	Yes
14E_D							Yes	Yes
14F	W28M	PEM	Wetland 14F is a PEM located within the northwest cloverleaf of the I-495/Colesville Road interchange.	Broad-leaf cat-tail Marsh primrose-willow Climbing nightshade	-	-	Yes	Yes
14G	W246M	Intermittent	Waters 14G is an intermittent channel that originates at a culvert north of the I-495 outer loop and east of Sligo Creek Parkway that flows through a culvert under I-495 and continues south outside the study area.	-	Silt, sand, cobble, gravel, concrete, riprap Width: 2-11 ft Depth: 2-10 in	Right: mowed grass Left: mowed grass	Yes	Yes
14G_1							Yes	Yes
14G_C							Yes	Yes
14I	-	PFO	Wetland 14I consists of two PFO areas located south of the I-495 inner loop and north of Fairway Avenue that abut Waters 14E and Waters 14J.	Pin oak Silver maple American elm Southern catalpa (<i>Catalpa bignonioides</i>) Southern crabapple (<i>Malus angustifolia</i>) Swamp smartweed Eastern poison ivy	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
14J	-	Intermittent	Waters 14J is an intermittent channel located south of the I-495 inner loop and north of Fairway Avenue that originates within Wetland 14I and flows south into Waters 14E.	-	Silt, sand, muck Width: 1-3 ft Depth: 1-4 in	Right: forest Left: forest	Yes	Yes
14K	-	PFO	Wetland 14K is a PFO located south of the I-495inner loop, east of University Boulevard, and north of East Granville Drive.	Pin oak northern red oak (<i>Quercus rubra</i>) Straw-colored flatsedge Amur peppervine	-	-	Yes	Yes
Subsegment 15								
15A	-	Intermittent	Waters 15A is an intermittent channel located north of the I-495 outer loop and east of Georgia Avenue that flows east into a culvert under I-495.	-	Silt, cobble, sand, gravel, concrete, muck, riprap Width: 3-15 ft Depth: 1-10 in	Right: forest Left: forest	Yes	Yes
15A_C							Yes	Yes
15B	-	Intermittent	Waters 15B is an intermittent channel located north of the I-495 outer loop and east of Georgia Avenue that originates at a culvert outfall and flows south into Waters 15A.	-	Silt, cobble, sand, gravel, muck, riprap Width: 3-10 ft Depth: 1-12 in	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
15C	-	Intermittent	Waters 15C is an intermittent channel located north of the I-495 outer loop and west of Sligo Creek Parkway that flows southwest from a culvert under I-495 into Waters 15D.	-	Silt, sand, muck Width: 4-8 ft Depth: 1-10 in	Right: forest Left: forest	No	Yes
15D	-	Perennial	Waters 15D is a perennial channel known as Sligo Creek that flows under I-495, west of Sligo Creek Parkway.	-	Silt, cobble, sand, gravel, riprap Width: 20-30 ft Depth: 4-15 in	Right: forest Left: forest	Yes	Yes
15D_1							Yes	Yes
15D_C							Yes	Yes
15E	-	Ephemeral	Waters 15E is an ephemeral channel located north of the I-495 outer loop and west of Sligo Creek Parkway that originates at a culvert outfall and drains east into Waters 15D.	-	Silt, sand, gravel Width: 4-5 ft Depth: 2-5 in	Right: forest Left: forest	Yes	No
15F	-	Intermittent	Waters 15F is an intermittent channel located east of Holy Cross Hospital and south of Forest Glen Road, just west of Silgo Creek Trail.	-	Silt, sand, cobble Width: 5 ft Depth: 1 ft	Right: mowed lawn Left: mowed lawn	Yes	Yes
Subsegment 16								
16A	-	Perennial	Waters 16A is a perennial channel known as Forest Glen Creek located west of Linden Lane that flows southwest under I-495 and into Waters 19K. Waters 16A flows through subsegments 16 and 17.	-	Silt, cobble, bedrock, sand, gravel Width: 20-30 ft Depth: 4 in – 1 ft	Right: forest Left: forest	Yes	Yes
16A_1							Yes	Yes
16A_2							Yes	Yes
16A_C							Yes	Yes
16A_C1							Yes	Yes
16A_C2							Yes	Yes
16B	-	Intermittent	Waters 16B is an intermittent channel located north of the I-495 outer loop and west of Linden Lane that flows south from a small drainage pipe into Waters 16A.	-	Silt, muck Width: 1-2 ft Depth: 1 in	Right: forest Left: forest	Yes	Yes
16C	-	Perennial	Waters 16C is a perennial channel located north of the I-495 outer loop and west of Linden Lane that flows south from a culvert outfall into Waters 16A.	-	Silt, cobble, bedrock, sand, gravel, riprap Width: 8-10 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
16D	-	Intermittent	Waters 16D is an intermittent channel that originates at a culvert outfall southeast of Hill Street and flows south through a culvert under I-495 into Waters 16A.	-	Silt, concrete Width: 2 ft Depth: 1 in	Right: forest Left: forest	No	Yes
16D_C							No	Yes
16E	-	Intermittent	Waters 16E is an intermittent channel located south of the I-495 inner loop that receives runoff from a culvert under I-495 and flows west into a culvert just north of Westview Drive.	-	Silt, sand, muck Width: 5-8 ft Depth: 2-6 in	Right: forest Left: forest, mowed lawn	Yes	Yes
16E_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
16F	-	Ephemeral	Waters 16F is an ephemeral channel located south of the I-495 inner lop and east of Seminary Road that originates at a broken concrete channel and drains north into Waters 16G.	-	Silt, cobble, sand, gravel Width: 6-10 ft Depth: 1-3 in	Right: forest Left: forest	Yes	No
16G	-	Perennial	Waters 16G is a perennial channel located south of the I-495 inner loop that flows west through a culvert under Seminary Road and the CSX railway tracks and into Waters 16A.	-	Silt, cobble, bedrock, sand, gravel, concrete, riprap Width: 5-20 ft Depth: 1-24 in	Right: forest Left: forest	Yes	Yes
16G_1							Yes	Yes
16G_B							Yes	Yes
16G_C							Yes	Yes
16G_C1							Yes	Yes
16G_D							Yes	Yes
16G_D1							Yes	Yes
16H	-	PEM	Wetland 16H is a PEM located northwest of the I-495/MD 97 interchange.	Broad-leaf cat-tail Mild water-pepper Spotted lady's-thumb (<i>Persicaria maculosa</i>)	-	-	Yes	Yes
16I	-	Perennial	Waters 16I is a perennial channel located south of the I-495 inner loop and east of Linden Lane that flows north into Waters 16G.	-	Silt, cobble, bedrock, sand, gravel Width: 4-12 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
16J	-	Ephemeral	Waters 16J is an ephemeral channel located south of the I-495 inner loop that originates at a culvert outfall and drains west under Linden Lane into Waters 16G.	-	Silt, cobble, sand, gravel Width: 4-6 ft Depth: 1-8 in	Right: forest Left: forest	Yes	No
16J_1							Yes	No
16J_B							Yes	No
16K	-	Ephemeral	Waters 16K is an ephemeral channel located south of the I-495 inner loop and north of Newcastle Avenue that drains north into Waters 16G.	-	Silt, sand, cobble, gravel, bedrock Width: 3-5 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
16L	-	PFO	Wetland 16L is a PFO located south of I-495 and north of Newcastle Avenue adjacent to Waters 16G.	Ash-leaf maple American elm Green ash Amur peppervine	-	-	Yes	Yes
Subsegment 17								
17A	07-B	PEM	Wetland 17A is a PEM located north of the I-495 outer loop exit ramp to MD 185.	Broad-leaf cat-tail Seaside club-rush (<i>Schoenoplectus robustus</i>)	-	-	Yes	Yes
17AA	-	PFO	Wetland 17AA is a PFO located south of the I-495 inner loop, west of Park View Road that abuts Waters 17BB.	Ash-leaf maple Swamp smartweed Green ash	-	-	Yes	Yes
17B	07-C	Ephemeral	Waters 17B is an ephemeral channel located north of the I-495 outer loop exit ramp to MD 185 that originates at a culvert and flows north into Waters 19K.	-	Silt, sand Width: 2-4 ft Width: 9 in	Right: forest Left: forest	Yes	No
17BB	-	Intermittent	Waters 17BB is an intermittent channel located south of the I-495 inner loop and north of Glenmoor Drive that flows north from a culvert into another culvert under I-495.	-	Silt, sand, gravel, cobble Width: 5-10 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
17BB_C							Yes	Yes
17C	-	Intermittent	Waters 17C is an intermittent channel located west of the I-495 outer loop and east of Beach Drive that flows from a potential wetland outside of the study area into Waters 19K.	-	Silt, clay Width: 2.5-5 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
17CC	-	PFO	Wetland 17CC is a PFO located south of the I-495 inner loop and north of Glenmoor Drive, adjacent to Waters 17BB.	Red maple northern red oak Mockernut hickory (<i>Carya tomentosa</i>) Ash-leaf maple Smooth blackhaw Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
17D	-	Perennial	Waters 17D is a perennial channel located west of the I-495 outer loop and east of Beach Drive that flows from a large PFO wetland outside of study area into Waters 19K.	-	Silt, sand, riprap Width: 6 ft Depth: 2-4 in	Right: forest Left: forest	Yes	Yes
17DD	-	Intermittent	Waters 17DD is an intermittent channel located south of the I-495 inner loop and north of Glenmoor Drive that flows northeast from a spring seep into a culvert under I-495.	-	Silt, sand, gravel, cobble Width: 3-5 ft Depth: 2-3 in	Right: forest Left: forest	Yes	Yes
17DD_C							Yes	Yes
17E	-	PFO	Wetland 17E is a PFO located west of I-495 and east of Beach Drive.	Ash-leaf maple Green ash Northern spicebush Creeping-jenny (<i>Lysimachia nummularia</i>) Bristly lady's thumb	-	-	Yes	Yes
17F	-	Perennial	Waters 17F is a perennial channel located west of I-495 and south of the intersection of Beach Drive and Stoneybrook Drive that flows southwest from a culvert into Waters 19K.	-	Silt, sand, muck Width: 5-10 ft Depth: 4-15 in	Right: hedgerow Left: hedgerow	Yes	Yes
17FF	-	PFO	Wetland 17FF is a PFO located west of the I-495 outer loop and south of the intersection of Beach Drive and Stoneybrook Drive, that abuts Wetland 17K.	Red maple Ash-leaf maple American elm Creeping-jenny	-	-	Yes	Yes
17GG	-	PFO	Wetland 17GG is a PFO located north of the I-495 outer loop exit ramp to MD 185.	White willow (<i>Salix alba</i>) American sycamore Green ash Common reed Amur peppervine Winter creeper	-	-	No	Yes
17K	-	PFO	Wetland 17K is a PFO located west of the I-495 outer loop and south of the intersection of Beach Drive and Stoneybrook Drive that abuts Wetland 17FF.	Ash-leaf maple Red maple Green ash American sycamore Duck-potato	-	-	Yes	Yes
17L	-	PFO	Wetland 17L is a PFO located west of the I-495 outer loop and east of Beach Drive that abuts Wetland 17M.	Mild water-pepper Creeping-jenny Fringed sedge	-	-	Yes	Yes
17M	-	PFO	Wetland 17M is a PFO located west of the I-495 outer loop and east of Beach Drive that abuts Wetland 17L.	Ash-leaf maple American sycamore Creeping-jenny	-	-	Yes	Yes
17N	-	Ephemeral	Waters 17N is an ephemeral channel located north of the I-495 outer loop and south of Beach Drive that flows south from outside of the study area into Waters 19K.	-	Silt Width: 1-3 ft Depth: 3-5 in	Right: forest Left: forest	Yes	No
17O	-	PFO	Wetland 17O is a PFO located north of the I-495 outer loop and south of Beach Drive.	Ash-leaf maple Japanese stilt grass	-	-	Yes	Yes
17Q	-	Ephemeral	Waters 17Q is an ephemeral channel located north of the I-495 outer loop and southeast of Beach Drive that flows southeast from a culvert into Waters 19K.	-	Silt Width:1-2 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No
17R	-	Ephemeral	Waters 17R is an ephemeral channel located north of the I-495 outer loop that flows north from a culvert into Waters 19K.	-	Silt, riprap Width: 1-3 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
17S	W57M	PFO	Wetland 17S is a PFO wetland located northwest of the I-495 outer loop and south of Beach Drive in the floodplain of Waters 19K.	Ash-leaf maple Sensitive fern Rambler rose Northern spicebush Creeping-jenny Japanese stilt grass American hornbeam Small-spike false nettle Eastern poison ivy Mild water-pepper	-	-	Yes	Yes
17T	-	PEM	Wetland 17T is a PEM located east of the I-495 inner loop and west of Jones Mill Road, adjacent to Waters 16A and Waters 19K.	Japanese stilt grass Small carp grass (<i>Arthraxon hispidus</i>)	-	-	Yes	Yes
17U	W61M	PFO	Wetland 17U is a PFO located northeast of the I-495 outer loop exit ramp to MD 185.	Skunk-cabbage Northern spicebush Red maple Canadian clearweed (<i>Pilea pumila</i>) Royal fern Unknown willow species (<i>Salix</i> sp.) Small-spike false nettle American sycamore Ash-leaf maple Green arrow-arum Halberd-leaf tearthumb Rice cut grass	-	-	Yes	Yes
17V	-	PFO	Wetland 17V is a PFO located south of the I-495 inner loop and west of Jones Mill Road that abuts Waters 17W and Waters 17Z.	Ash-leaf maple Common duckweed (<i>Lemna minor</i>)	-	-	Yes	Yes
17W	-	Ephemeral	Waters 17W is an ephemeral channel located east of the I-495 inner loop and west of Jones Mill Road that flows northeast from Wetland 17V into Waters 19K.	-	Silt Width: 1 ft Depth: 2-3 in	Right: forest Left: forest	Yes	No
17X	-	PFO	Wetland 17X is a PFO located north of the I-495 outer loop and east of Kensington Parkway.	Red maple Green arrow-arum Japanese stilt grass Amur peppervine	-	-	Yes	Yes
17Y	-	Intermittent	Waters 17Y is an intermittent channel located north of the I-495 outer loop exit ramp to MD 185 that flows north from a culvert under I-495 into Waters 19K.	-	Silt, sand, gravel, cobble Width: 6-8 ft Depth: 2-6 in	Right: forest Left: forest	Yes	Yes
17Z	-	Ephemeral	Waters 17Z is an ephemeral channel located south of the I-495 inner loop and north of Park View Road that flows northeast from a culvert under I-495 into Wetland 17V.	-	Silt, sand, cobble, riprap Width: 3-10 ft Depth: 2-5 in	Right: forest Left: forest	Yes	No
Subsegment 18								
18A	W67M	Intermittent	Waters 18A is an intermittent channel located northwest of the I-495/MD 185 interchange that originates at a culvert under I-495 and flows north into Waters 19K.	-	Silt, cobble, sand, gravel Width: 4-8 ft Depth: 1-6 in	Right: forest Left: forest	Yes	Yes
18B	W167M	Ephemeral	Waters 18B is an ephemeral channel located southwest of the I-495/MD 185 interchange that flows north through a culvert under I-495 and into Waters 18A.	-	Silt, cobble, gravel, muck Width: 4 ft Depth: 2-4 in	Right: forest Left: forest	Yes	No
18B_C							Yes	No
18C	-	Perennial	Waters 18C is a perennial channel located west of Connecticut Avenue that flows northeast from outside of the study area, under I-495, and into Waters 19K.	-	Silt, cobble, sand, gravel, riprap Width: 10-30 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
18C_1							Yes	Yes
18C_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
18D	-	Perennial	Waters 18D is a perennial channel located north of the I-495 outer loop and east of Cedar Lane that flows south under Beach Drive into Waters 19K.	-	Silt, cobble, sand, gravel, concrete rubble Width: 5-8 ft Depth: 2 in	Right: hedgerow, mowed grass Left: forest	Yes	Yes
18D_1							Yes	Yes
18D_2							Yes	Yes
18D_C							Yes	Yes
18D_C1							Yes	Yes
18F	07-D	PFO	Wetland 18F is a PFO located northwest of the I-495/Connecticut Avenue interchange.	Ash-leaf maple Green ash Morrow’s honeysuckle Northern spicebush Small-spike false nettle Asian bittersweet	-	-	Yes	Yes
18G	-	Intermittent	Waters 18G is an intermittent channel located southwest of the I-495/Connecticut Avenue interchange that originates at a culvert outside of the study area and flows north into a culvert under I-495 and into Waters 19K.	-	Silt, cobble, sand, gravel, riprap Width: 5-12 ft Depth: 3-12 in	Right: meadow, forest Left: meadow, forest	Yes	Yes
18G_C							Yes	Yes
18G_D							Yes	Yes
18H	-	PFO	Wetland 18H is a PFO located north of the I-495 outer loop and west of Connecticut Avenue.	Ash-leaf maple American sycamore Small-spike false nettle Green ash Northern spicebush Eastern poison ivy	-	-	Yes	Yes
18I	W65M	Perennial	Waters 18I is a perennial channel located northeast of the I-495 outer loop and east of Cedar Lane that flows northeast from a culvert under I-495 into Waters 19K outside of the study area.	-	Silt, sand, gravel Width: 8-10 ft Depth: 0 in – 1 ft	Right: forest Left: forest	Yes	Yes
18J	-	Ephemeral	Waters 18J is an ephemeral channel located northeast of the I-495 outer loop and east of Cedar Lane that flows southeast from Wetland 18K into Waters 18I.	-	Silt, sand, muck Width: 2-4 ft Depth: 0 in	Right: forest Left: forest	Yes	No
18K	-	PFO	Wetland 18K is a PFO located northeast of the I-495 outer loop and east of Cedar Lane that abuts Waters 18J.	Ash-leaf maple American sycamore Small-spike false nettle Japanese stilt grass White grass	-	-	Yes	Yes
18L	-	PFO	Wetland 18L is a PFO located northeast of the I-495 outer loop, south of Beach Drive, and west of Connecticut Avenue.	Ash-leaf maple Northern spicebush Amur peppervine	-	-	Yes	Yes
18M	-	PFO	Wetland 18M is a PFO located northeast of the I-495 outer loop and east of Cedar Lane.	Ash-leaf maple Morrow’s honeysuckle Eastern cottonwood (<i>Populus deltoides</i>) Green ash Dotted smartweed Rambler rose Eastern poison ivy Lamp rush Canadian clearweed Unknown grape species Scarlet beebalm (<i>Monarda didyma</i>) Asparagus (<i>Asparagus officinalis</i>) nodding burr-marigold (<i>Bidens cernua</i>) Silver maple	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
18X	-	Perennial	Waters 18X is a perennial channel located northeast of the I-495 outer loop and east of Cedar Lane that flows northeast into Waters 19K.	-	Silt, sand, muck Width: 3-4 ft Depth: 1 in – 1 ft	Right: forest Left: forest	Yes	Yes
Subsegment 19								
19A	-	Intermittent	Waters 19A is an intermittent channel located west of the ramp from Rockville Pike to I-270 northbound that flows south into a 36-inch concrete pipe.	-	Silt, sand Width: 3-5 ft Depth: 2 in	Right: hedgerow Left: hedgerow	No	Yes
19A_C	-						No	Yes
19B	W81M	Intermittent	Waters 19B is an intermittent channel located west of the I-495/I-270 interchange that flows south from outside of the study area, through a 24-inch diameter culvert under the I-495 outer loop, and into Waters 19F.	-	Silt, sand, gravel, muck Width: 2-3 ft Depth: 5-8 in	Right: forest Left: forest	Yes	Yes
19B_C							Yes	Yes
19C	W78M	Perennial	Waters 19C is a perennial channel located west of the I-495/I-270 interchange that flows southeast from outside the study area, through a culvert under the I-495 outer loop, and into Waters 19F.	-	Silt, sand, cobble, gravel Width: 15 ft Depth: 1-2 ft	Right: forest Left: forest	Yes	Yes
19C_C							Yes	Yes
19D	W80M	PFO	Wetland 19D is a PFO located west of the I-495/I-270 interchange, adjacent to Waters 19C.	Tuliptree Red maple Northern spicebush	-	-	Yes	Yes
19E	-	Intermittent	Waters 19E is an intermittent channel located within the I-495 median, west of Rockville Pike that flows northeast into Waters 19F.	-	Concrete Width: 3 ft Depth: 2 in	Right: hedgerow Left: hedgerow	No	Yes
19F	W162M	Perennial	Waters 19F is a perennial channel located west of the I-495/I-270 interchange that originates at a culvert in the I-495 median and flows southeast through another culvert under the I-495 inner loop and out of the study area.	-	Sand, cobble, gravel Width: 2-3 ft Depth: 0.5-2 ft	Right: forest Left: forest	Yes	Yes
19F_1	W162M						Yes	Yes
19F_2	W162M						Yes	Yes
19F_3	-						Yes	Yes
19F_4	-						Yes	Yes
19F_C	W162M						Yes	Yes
19F_C1	W162M						Yes	Yes
19F_C2	-						Yes	Yes
19G	-	Intermittent	Waters 19G is an intermittent channel located within the I-495 median, west of Rockville Pike that flows south from a culvert under the I-495 outer loop into Waters 19F.	-	Silt, cobble, sand, gravel Width: 3 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
19J	W157M	Perennial	Waters 19J is a perennial channel located east of the I-495/MD 187 interchange that flows northeast into a culvert under I-495 and out of the study area.	-	Silt, sand, gravel, muck Width: 3-15 ft Depth: 2-12 in	Right: forest, shrubs Left: forest, dense bamboo	Yes	Yes
19J_1							Yes	Yes
19J_2							Yes	Yes
19J_C							Yes	Yes
19J_C1							Yes	Yes
19K	-	Perennial	Waters 19K is a perennial channel known as Rock Creek located north of and parallel to the I-495 outer loop that flows into the Potomac River.	-	Silt, sand, cobble, gravel, muck, concrete Width: 20-40 ft Depth: 0.5-6 ft	Right: forest Left: forest	Yes	Yes
19K_1							Yes	Yes
19K_2							Yes	Yes
19K_3							Yes	Yes
19K_4							Yes	Yes
19K_5							Yes	Yes
19K_6							Yes	Yes
19K_7							Yes	Yes
19K_8							Yes	Yes
19K_B							Yes	Yes
19K_B1							Yes	Yes
19K_B2							Yes	Yes
19M	-	PFO	Wetland 19M is a PFO located north of the I-495 outer loop, west of Cedar Lane in the floodplain of Waters 19K.	Ash-leaf maple Silver maple Small-spike false nettle Amur peppervine	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
19N	-	Perennial	Waters 19N is a perennial channel located east of Rockville Pike that flows southeast under Beach Drive into Waters 19K.	-	Silt, cobble, sand, gravel Width: 15 ft Depth: 6-12 in	Right: mowed grass, shrubs Left: forest	Yes	Yes
19O	-	PFO	Wetland 19O is a PFO located east of the Rockville Pike exit ramp to Grosvenor Lane that abuts Waters 19X.	Ash-leaf maple Japanese stilt grass Sweet wood-reed	-	-	Yes	Yes
19Q	-	PFO	Wetland 19Q is PFO located east of the Rockville Pike on-ramp from the I-495 outer loop.	Red maple American elm Small-spike false nettle Japanese stilt grass Sweet wood-reed	-	-	Yes	Yes
19R	-	Intermittent	Waters 19R is an intermittent channel located north of the Rockville Pike on-ramp from the I-495 outer loop that flows southeast from Wetland 19Q into Waters 19K.	-	Silt, sand, muck Width: 2-15 ft Depth: 1 in – 2 ft	Right: forest Left: forest	Yes	Yes
19R_1							Yes	Yes
19S	W75M	PFO	Wetland 19S is a PFO located east of the I-495/Rockville Pike interchange that abuts Waters 19R.	American elm Pin oak Green ash Rambler rose Japanese stilt grass Rice cut grass Japanese honeysuckle	-	-	Yes	Yes
19T	-	Perennial	Waters 19T is a perennial channel located east of Bellevue Drive that flows northeast under I-495 and into Waters 19K.	-	Silt, sand, gravel, muck, riprap Width: 12 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
19T_1							Yes	Yes
19T_C							Yes	Yes
19U	-	PFO	Wetland 19U is a PFO located east of the I-495 outer loop, northwest of Cedar Lane.	Ash-leaf maple American sycamore Northern spicebush Green ash	-	-	Yes	Yes
19V	-	Perennial	Waters 19V is a perennial channel located south of the I-495 inner loop, west of Cedar Lane that flows northeast into Rock Creek.	-	Sand, cobble, gravel, concrete Width: 10-16 ft Depth: 0.1-2 ft	Right: forest Left: forest	Yes	Yes
19V_C							Yes	Yes
19W	-	PFO	Wetland 19W is a PFO located south of the I-495 inner loop, east of the onramp from Rockville Pike.	River birch Green ash Unknown elm species (<i>Ulmus</i> sp.) Japanese stilt grass	-	-	Yes	Yes
19X	-	Ephemeral	Waters 19X is an ephemeral channel located east of the Rockville Pike northbound exit ramp to Grosvenor Lane that flows east into Wetland 19O.	-	Silt, sand, gravel Width: 3 ft Depth: 0-1 in	Right: forest Left: forest	Yes	No
19Y	-	PEM	Wetland 19Y is a PEM that is in line with Waters 19R located east of the I-95/Rockville Pike interchange and abuts Wetland S.	Pickerelweed (<i>Pontederia cordata</i>) Shallow sedge	-	-	Yes	Yes
Subsegment 20								
20B	-	Intermittent	Waters 20B is an intermittent channel located south of the I-495 inner loop that originates at a 2-foot culvert under I-495 and flows southwest out of the study area through another 2-foot pipe.	-	Silt, cobble, gravel, riprap Width: 5 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
20C	-	Perennial	Waters 20C is a perennial channel located south of the I-495 inner loop and east of Greentree Road that flows south through a 4-foot culvert and converges with Waters 20D.	-	Silt, cobble, sand, gravel Width: 1-3 ft Depth: 6 in	Right: Scrub-shrub Left: Scrub-shrub	Yes	Yes
20D	-	Perennial	Waters 20D is a perennial channel located south of I-495 and east of Greentree Road that flows north from outside of the study area and converges with Waters 20C at a 4-foot culvert.	-	Silt, sand, gravel, concrete Width: 5 ft Depth: 6 in	Right: hedgerow Left: hedgerow	Yes	Yes
20D_C							Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
20E	-	Intermittent	Waters 20E is an intermittent channel located south of the I-495 inner loop and north of Newbold Drive that flows south from a culvert under I-495 into a 2-foot pipe.	-	Silt, sand, gravel, riprap Width: 3 ft Depth: 2 ft	Right: bamboo hedgerow Left: bamboo hedgerow	Yes	Yes
Subsegment 21								
21B	W148M	Perennial	Waters 21B is a perennial channel located east of the I-495 inner loop and west of Longwood Drive that flows west under I-495 into Waters 21J. Waters 21B flows through subsegments 20 and 21.	-	Mud Width: 6 ft Depth: Unknown	Right: forest Left: forest	Yes	Yes
21B_C							Yes	Yes
21C	W103M	Perennial	See Waters 23A .				Yes	Yes
21C_1	W142M						Yes	Yes
21C_2	W109M						Yes	Yes
21C_C	W142M						Yes	Yes
21C_C1	W142M						Yes	Yes
21C_C2	W109M						Yes	Yes
21D	-	Intermittent	Waters 21D is an intermittent channel that originates in the northeast cloverleaf of the MD 19no/I-495 interchange and flows through a 3-foot pipe under I-495 in the northwest cloverleaf of the same interchange, under a ramp, and into Waters 21C.	-	Concrete, silt, sand Width: 1-3 ft Depth: 6 in	Right: scrub-shrub and meadow grasses Left: hedgerow and scrub-shrub	No	Yes
21D_1	W110M (downstream)						No	Yes
21D_C	-						No	Yes
21D_C1	W110M (downstream)						No	Yes
21F	-	Intermittent	Waters 21F is an intermittent channel that originates east of I-495 south of the terminus of Cindy Lane and flows southeast under I-495 into Waters 21C.	-	Silt, sand, cobble, gravel, riprap Width: 5-8 ft Depth: 8 in	Right: forest Left: forest	Yes	Yes
21F_C							Yes	Yes
21G	-	Intermittent	Waters 21G is an intermittent channel located east of the I-495 inner loop, north of the MD 19no/I-495 interchange that flows west into Waters 21C.	-	Silt, concrete, riprap Width: 2-5 ft Depth: 3 in	Right: forest Left: forest	No	Yes
21H	-	Ephemeral	Waters 21H is an ephemeral channel located east of the I-495 inner loop and southwest of the terminus of Arrowood Road that flows west into Waters 21C.	-	Silt, cobble, gravel, concrete Width: 4 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	No
21I	-	Perennial	Waters 21I is a perennial channel located northwest of the I-495/I-270 split that flows west into Waters 21C. Channel substrate consists of silt, sand, and gravel.	-	Silt, sand, gravel Width: 5-7 ft Depth: 3 in	Right: hedgerow Left: hedgerow	Yes	Yes
21J	-	Perennial	Waters 21J is a perennial channel located west of the I-495 outer loop and north of MD 191 that flows west into Waters 21C.	-	Silt, sand, gravel, riprap Width: 10-20 ft Depth: 2-6 in	Right: hedgerow Left: hedgerow	Yes	Yes
21K	-	Intermittent	Waters 21K is an intermittent channel located west of the I-495 outer loop and north of MD 191 that flows west into Waters 21C.	-	Silt, sand, cobble, gravel, placed stone Width: 1-12 ft Depth: 0.5-1.5 ft	Right: hedgerow Left: hedgerow	Yes	Yes
21L_C	-	Perennial	Waters 21L is a perennial channel that originates east of the I-495 inner loop southwest of Kittery Lane and flows west under I -495 and into Waters 21C.	-	Silt, sand, cobble, gravel, riprap Width: 4-6 ft Depth: 1-8 in	Right: herbaceous vegetation Left: herbaceous vegetation	Yes	Yes
21L_D							Yes	Yes
21L_D1							Yes	Yes
21M	-	Intermittent	Waters 21M is an intermittent channel located west of the I-495 outer loop and east of Groton Road that flows east into Waters 21C.	-	Concrete Width: 1-4 ft Depth: 0.5 in	Right: hedgerow Left: hedgerow	No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
21P	-	PFO	Wetland 21P a PFO located east of the I-495 inner loop and west of the terminus of Arrowood Court in the floodplain of Waters 21C.	Red maple Northern spicebush Sweet wood-reed Green ash River-bank grape	-	-	Yes	Yes
21Q	-	PFO	Wetland 21Q is a PFO located east of the I-495 inner loop and southwest of the terminus of Arrowood Court in the floodplain of Waters 21C.	American elm Red maple Northern spicebush Lizard's-tail	-	-	Yes	Yes
21R	-	Ephemeral	Waters 21R is an ephemeral channel located east of the I-495 inner loop and southwest of the terminus of Arrowood Road that drains uplands and flows west into Waters 21H.	-	Silt, cobble, gravel Width: 3-8 ft Depth: 4-8 in	Right: forest Left: forest	Yes	No
21T	-	PFO	Wetland 21T is a PFO located east of the I-495 inner loop and northwest of the terminus of Arrowood Court on a terrace in the floodplain of Waters 21C.	American sycamore Red maple Bristly lady's-thumb Winter creeper Curly dock (<i>Rumex crispus</i>) Japanese stilt grass	-	-	Yes	Yes
21U	-	Perennial	Waters 21U is a perennial channel located east of the I-495 inner loop and west of Armat Drive that flows west from a culvert into Waters 21B.	-	Silt, sand, cobble, gravel, riprap Width: 5-15 ft Depth: 3-6 in	Right: forest Left: forest	Yes	Yes
21V	-	Ephemeral	Waters 21V is an ephemeral channel located west of the I-495 outer loop and north of Bradley Boulevard that flows east from outside of the study area into Waters 21C.	-	Silt, sand, cobble, gravel Width: 4-6 ft Depth: 3-6 in	Right: forest Left: forest	Yes	No
Subsegment 22								
22A	-	Intermittent	Waters 22A is an intermittent channel located within the southwest cloverleaf of the MD 19no/I-495 interchange that flows south through a 3-foot concrete pipe into Waters 22C.	-	Concrete Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22A_C							No	Yes
22AA	W111M	Perennial	Waters 22AA is a perennial channel known as Cabin John Creek that flows south under I-495 west of Cabin John Parkway and east of Seven Locks Road.	-	Silt, sand, cobble, bedrock Width: 30 ft Depth: 10 in	Right: forest Left: forest	Yes	Yes
22AA_1							Yes	Yes
22AA_2							Yes	Yes
22AA_3							Yes	Yes
22AA_B							Yes	Yes
22AA_B1							Yes	Yes
22AAA	WOUS SK	Perennial	Waters 22AAA is a perennial channel located within the Capital Beltway/George Washington Memorial Parkway interchange.	-	Silt, sand, gravel, cobble, boulder Width: N/A Depth: N/A	Right: forest Left: forest	Yes	No
22AAA_C								
22B	-	Intermittent	Waters 22B is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west into Waters 22C.	-	Riprap Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22BB	-	Ephemeral	Waters 22BB is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows east into Waters 22CC.	-	Silt, cobble, sand, gravel Width: 1-4 ft Depth 0-4 in	Right: forest Left: forest	Yes	No
22BBB	SP	PFO	Wetland 22BBB is a PFO located east of the I-495 inner loop that abuts Waters 22ZZ.	Red maple Green ash Northern spicebush Japanese stilt grass	-	-	Yes	Yes
22C	-	Intermittent	Waters 22C is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west into a 3-foot concrete pipe and into Waters 22D.	-	Riprap Width: 3 ft Depth: 6 in	Right: hedgerow Left: hedgerow	No	Yes
22C_C							No	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22CC	-	Ephemeral	Waters 22CC is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows northeast under Seven Locks Road into Waters 22DD.	-	Silt, cobble, sand, gravel, concrete Width: 2- 6 ft Depth: 1-6 in	Right: forest Left: forest	Yes	No
22CC_1							Yes	No
22CC_C							Yes	No
22D	-	Intermittent	Waters 22D is an intermittent channel located west of the I-495 outer loop south of the MD 19no/I-495 interchange that flows west under a concrete liner into Waters 22E.	-	Concrete Width: 2 ft Depth: 1 in	Right: hedgerow Left: forest	No	Yes
22DD	-	Intermittent	Waters 22DD is an intermittent channel located north of the I-495 outer loop and east of Thornley Court that flows east under Seven Locks Road and then north into Waters 22AA.	-	Silt, cobble, sand, gravel, concrete Width: 2-8 ft Depth: 1-12 in	Right: forest Left: forest	Yes	Yes
22DD_C							Yes	Yes
22E	01-B	PEM	Wetland 22E is a PEM located northwest of the I-495 outer loop and southwest of the intersection of Eggert Road and Persimmon Tree Road.	Wand panic grass Rough barnyard grass	-	-	Yes	Yes
22EE	-	Ephemeral	Waters 22EE is an ephemeral channel located north of the I-495 outer loop and south of Thornley Court that flows north into Waters 22CC.	-	Silt, sand, concrete Width: 4-10 ft Depth: 0-4 in	Right: forest Left: forest	Yes	No
22F	01-L	PEM	Wetland 22F is a PEM located in the median of Cabin John Parkway, south of I-495, that abuts Waters 22H.	Marsh primrose-willow Small carp grass	-	-	Yes	Yes
22FF	-	Ephemeral	Waters 22FF is an ephemeral channel located south of the I-495 inner loop and northwest of the terminus of Cypress Grove Lane that flows south out of the study area.	-	Silt, sand, gravel Width: 3-5 ft Depth: 0-6 in	Right: forest Left: forest	Yes	No
22G	01-K	PFO	Wetland 22G is a PFO located in the median of Cabin John Parkway, south of I-495, that abuts Waters 22H.	Black willow Green ash Rambler rose Red maple Lamp rush Crow garlic Japanese honeysuckle	-	-	Yes	Yes
22GG	01-O	PEM	Wetland 22GG is a PEM located east of Cabin John Parkway and south of the I-495 inner loop.	Red maple Pin oak Lamp rush Wand panic grass	-	-	Yes	Yes
22H	01-M	Intermittent	Waters 22H is an intermittent channel located within the median of Cabin John Parkway, south of I-495, that flows west through a culvert under Cabin John Parkway into Waters 22AA.	-	Concrete Width: 2-4 ft Depth: 1-8 in	Right: forest Left: emergent vegetation, mowed lawn	No	Yes
22H_1							Yes	Yes
22H_C							Yes	Yes
22HH	01-C	Intermittent	Waters 22HH is an intermittent channel located west of the I-495 outer loop and north of MacArthur Boulevard that flows south into Waters 22N.	-	Sand, gravel, concrete Width: 5 ft Depth: 3-5 in	Right: forest Left: forest	No	Yes
22HH_1							No	Yes
22HH_2							Yes	Yes
22HH_C							No	Yes
22I	01-G	PFO	Wetland 22I is a PFO located north of Clara Barton Parkway and west of I-495 that abuts Waters 22J.	Swamp white oak Red maple Chinese privet (<i>Ligustrum sinense</i>) Smooth blackhaw Sweet wood-reed Japanese honeysuckle Horsebrier	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22II	-	PFO	Wetland 22II is a PFO located west of the I-495 outer loop and southeast of Lilly Stone Drive.	River birch Green ash White grass	-	-	Yes	Yes
22J	01-F	Intermittent	Waters 22J is an intermittent channel located north of Clara Barton Parkway and west of I-495 that flows south through a culvert into Waters 22I.	-	Silt, sand, cobble, gravel Width: 1-4 ft Depth: 1-6 in	Right: forest, mowed lawn Left: forest, paved road	Yes	Yes
22J_C							Yes	Yes
22JJ	-	PFO	Wetland 22JJ is a PFO located southwest of the MD 19no/I-495 interchange in the floodplain of Waters 22AA.	Red maple Black tupelo Japanese stilt grass	-	-	Yes	Yes
22K	W125M	PEM	Wetland 22K is a PEM located north of Clara Barton Parkway and west of I-495 that abuts Waters 22J.	Dotted smartweed Spotted lady's thumb	-	-	Yes	Yes
22KK	-	Perennial	Waters 22KK is a perennial channel located south of the I-495/Cabin John Parkway interchange that flows east into Waters 22AA.	-	Silt, sand, cobble, gravel Width: 8-15 ft Depth: 3-15 in	Right: forest Left: forest	Yes	Yes
22L	01-J	PEM	Wetland 22L is a PEM located north of Clara Barton Parkway and west of I-495.	Dotted smartweed Sweet wood-reed	-	-	Yes	Yes
22LL	-	PFO	Wetland 22LL is a PFO located southeast of the I-495/Clara Barton Parkway interchange.	Ash-leaf maple American elm Northern spicebush Dotted smartweed Creeping-Jenny	-	-	Yes	Yes
22M	01-D	Perennial	Waters 22M is a perennial channel known as Rock Run located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows south from outside the study area to a box-culvert under Clara Barton Parkway.	-	Silt, sand, cobble, gravel Width: 30 ft Depth: 6 in - 1 ft	Right: forest Left: forest	Yes	Yes
22M_1							Yes	Yes
22M_C							Yes	Yes
22M_C1							Yes	Yes
22MM	-	Perennial	Waters 22MM is a perennial TNW known as the Potomac River located south of the I-495/Clara Barton Parkway interchange that flows east under I-495.	-	Silt, sand, muck, cobble, gravel, bedrock Width: > 400 ft Depth: > 10 ft	Right: forest Left: forest	Yes	Yes
22MM_B							Yes	Yes
22N	01-C	Perennial	Waters 22N is a perennial channel located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows southwest to Waters 22M.	-	Silt, cobble, gravel, concrete Width: 5 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22NN	-	Intermittent	Waters 22NN is an intermittent channel located southwest of the I-495/Clara Barton Parkway interchange that flows south from Wetland 22OO to Waters 22MM.	-	Silt, sand, gravel, muck Width: 8-10 ft Depth: 0 – 6 in	Right: forest Left: bare area under I-495	Yes	Yes
22NN_B							Yes	Yes
22O	01-E	PFO	Wetland 22O is a PFO located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that abuts Waters 22N.	American sycamore Ash-leaf maple Sweet wood-reed Deer-tongue rosette grass Water horsetail (<i>Equisetum fluviatile</i>)	-	-	Yes	Yes
22OO	-	PFO	Wetland 22OO is a PFO located southwest of the I-495/Clara Barton Parkway interchange that abuts Waters 22NN.	American sycamore Ash-leaf maple Reed canary grass	-	-	Yes	Yes
22P	-	Intermittent	Waters 22P is an intermittent channel located northwest of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows northwest into Waters 22N.	-	Silt, sand Width: 3 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22PP	01-P	PFO	Wetland 22PP is a PFO located southwest of the I-495/Clara Barton Parkway Interchange, just south of the C&O canal.	American elm Amur honeysuckle Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
22Q	-	Perennial	Waters 22Q is a perennial channel located east of the I-495 inner loop and south of Clara Barton Parkway that flows east from a culvert under the Clara Barton Parkway on-ramp to the I-495 inner loop into another culvert under Clara Barton Parkway.	-	Silt, sand Width: 4 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
22Q_1	01-I						Yes	Yes
22Q_C	-						Yes	Yes
22QQ	-	Intermittent	Waters 22QQ is an intermittent channel located southeast of the I-495/Clara Barton Parkway interchange that flows south into a side channel of Waters 22MM.	-	Sand, muck Width: 2-6 ft Depth: 0-1.5 in	Right: forest Left: forest	Yes	Yes
22R	01-H	PFO	Wetland 22R is a PFO located east of the I-495 inner loop and south of Clara Barton Parkway that abuts Waters 22Q.	Red maple American sycamore Common pawpaw Black tupelo Japanese stilt grass Sweet wood-reed Japanese honeysuckle	-	-	Yes	Yes
22RR	-	Perennial	Waters 22RR is a perennial channel located east of Seven Locks road and north of the I-495 outer loop that flows east into Waters 22AA.	-	Silt, sand, cobble, gravel Width: 6-15 ft Depth: 2-10 in	Right: forest Left: forest	Yes	Yes
22S	-	Intermittent	Waters 22S is an intermittent channel located north of the Clara Barton Parkway on-ramp from the I-495 outer loop that flows east into Waters 22M.	-	Silt, sand, cobble, gravel, placed stone slabs Width: 1-7 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
22SS	WOUS CC/CD	Perennial	Waters 22SS is a perennial channel located northwest of the Capital Beltway/George Washington Memorial Parkway interchange that flows north.	-	Silt, sand, gravel, cobble Width: 25 ft Depth: N/A	Right: forest Left: forest	Yes	No
22T	W122M	Intermittent	Waters 22T is an intermittent channel located north of Clara Barton Parkway and south of MacArthur Boulevard that flows west from Wetland 22U, under I-495, and into Waters 22HH.	-	Silt, cobble, sand, concrete, riprap Width: 3-6 ft Depth: 3 in	Right: forest Left: forest	Yes	Yes
22T_1							Yes	Yes
22T_2							Yes	Yes
22T_B							Yes	Yes
22T_B1							Yes	Yes
22TT	DC	PFO	Wetland 22TT is a PFO located east of the I-495 outer loop that abuts Waters 22UU and Waters 22MM.	Red maple Green ash Northern spicebush Japanese stilt grass	-	-	Yes	Yes
22U	W121M	PFO	Wetland 22U is a PFO located east of the I-495 inner loop, north of Clara Barton Parkway, and south of MacArthur Boulevard that abuts Waters 22T.	Red maple Slippery elm Black willow Ash-leaf maple	-	-	Yes	Yes
22UU	WOUS DF	Intermittent	Waters 22UU is an intermittent channel located west of the I-495 outer loop that flows north into Waters 22MM.	-	Riprap Width: 20 ft Depth: N/A	Right/Left: forest, maintained, impervious surface	Yes	No
22V	-	Intermittent	Waters 22V is an intermittent channel located south of Clara Barton Parkway that flows east under I-495 and into a roadside swale, followed by an 18-inch pipe.	-	Silt, sand, cobble, gravel Width: 1-4 ft Depth: 6 in	Right: hedgerow, riprap Left: hedgerow, riprap	Yes	Yes
22V_1							Yes	Yes
22V_2							Yes	Yes
22V_B							Yes	Yes
22V_B1							Yes	Yes
22VV	WOUS DJ	Ephemeral	Waters 22VV is an ephemeral channel located east of the I-495 inner loop that flows west.	-	Silt Width: 20 ft Depth: N/A	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/ depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
22W	W132M	PEM	Wetland 22W is a PEM (the C&O Canal Towpath) located southwest of the I-495/Clara Barton Parkway interchange.	Duck-potato Straw-color flat sedge Narrow-leaf cat-tail Ribbon-leaf pondweed (<i>Potamogeton epihydrus</i>)	-	-	Yes	Yes
22WW	WOUS DK	Ephemeral	Waters 22WW is an ephemeral channel located east of the I-495 inner loop that flows northwest.	-	Silt, sand, gravel Width: 25 ft Depth: N/A	Right: forest Left: forest	Yes	No
22WW_C								
22X	-	PFO	Wetland 22X is a PFO located within the cloverleaf of the I-495 inner loop on-ramp from Clara Barton Parkway.	Red maple Eastern poison ivy Sweet wood-reed Asian bittersweet	-	-	Yes	Yes
22XX	WOUS DL	Ephemeral	Waters 22XX is an ephemeral channel located east of the I-495 inner loop that flows northwest into Waters 22WW.	-	Silt, sand, gravel Width: 10 ft Depth: N/A	Right: forest Left: forest	Yes	No
22Y	01-H	PEM	Wetland 22Y is a PEM located within the cloverleaf of the I-495 inner loop on-ramp from Clara Barton Parkway, that abuts Waters 22Q.	Green ash River birch Lamp rush Sweet wood-reed Deer-tongue rosette grass Japanese stilt grass	-	-	Yes	Yes
22Z	01-N	Perennial	Waters 22Z is a perennial channel known as Booze Creek that flows southwest through a triple box culvert under Cabin John Parkway to Waters 22AA.	-	Sand, cobble, gravel Width: 40 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
22Z_1							Yes	Yes
22Z_C							Yes	Yes
22ZZ	WOUS SH	Perennial	Waters 22ZZ is a perennial channel located east of the I-495 inner loop that flows east.	-	Silt, sand, gravel, cobble Width: 20 ft Depth: N/A	Right/Left: forest, unmaintained herbaceous, impervious surface	Yes	No
22ZZ_C								
Subsegment 23								
23A	WUS 01	Perennial	Waters 23A is a perennial channel known as Thomas Branch that flows south parallel to the I-270 spur and the I-495 outer loop and into Cabin John Creek.	-	Silt, sand, cobble Width: 15-30 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
23A_1							Yes	Yes
23A_2							Yes	Yes
23A_3							Yes	Yes
23A_C							Yes	Yes
23A_C1							Yes	Yes
23A_C2							Yes	Yes
23AA	-	Perennial	Waters 23AA is a perennial channel located southeast of the I-270/Democracy Boulevard interchange that originates at a culvert under the I-270 on-ramp and flows south through another culvert.	-	Silt, sand Width: 2-3 ft Depth: 2-4 in	Right: forest Left: forest	Yes	Yes
23AA_1							Yes	Yes
23AA_C							Yes	Yes
23AA_C1							Yes	Yes
23BB	-	PEM	Wetland 23BB is a PEM located southeast of the I-270/Democracy Boulevard interchange that abuts Waters 23AA.	Sweet-gum Eastern poison ivy Japanese stilt grass	-	-	Yes	Yes
23C	-	Intermittent	Waters 23C is an intermittent channel located southwest of the I-270/Democracy Boulevard interchange that flows east into Waters 23A.	-	Silt, muck, leaf litter Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
23CC	-	PFO	Wetland 23CC is a PFO located west of the I-270 south spur and northeast of Motor City drive that abuts Waters 23E.	Green ash American elm Northern spicebush northern bush honeysuckle (<i>Diervilla lonicera</i>) Eastern poison ivy Swamp smartweed	-	-	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
23D	WUS 02	Intermittent	Waters 23D is an intermittent channel located southeast of the I-270/Democracy Boulevard interchange that flows from 23-SWM8, under I-270, and into Thomas Branch.		Silt, sand, cobble, gravel Width: 7 ft Depth: 2 ft		No	Yes
23D_C							No	Yes
23DD	-	Intermittent	Waters 23DD is an intermittent channel located west of the I-270 south spur and east of Westlake Drive that flows north into Waters 23K.	-	Silt, sand, cobble Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
23E	-	Intermittent	Waters 23E is an intermittent channel located west of the I-270 south spur and northeast of Motor City Drive that flows west from Wetland 23CC and out of the study area.	-	Silt, sand, gravel, riprap Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
23EE	-	PFO	Wetland 23EE is a PFO located between the Old Georgetown Road on ramp to I-270 eastbound and Aubinoe Farm Drive.	American elm Red maple Amur honeysuckle Japanese stilt grass Fox grape Unknown grass species (<i>Poa sp.</i>)	-	-	Yes	Yes
23F	-	PEM	Wetland 23F is a PEM located west of the I-270 south spur and east of Westlake Drive that abuts Waters 23K.	Green ash Black tupelo Japanese stilt grass	-	-	Yes	Yes
23FF	-	Intermittent	Waters 23FF is an intermittent channel located south of the I-270 east spur and north of the Rudyard Drive/Rossmore Drive intersection that flows east into Waters 23Q.	-	Silt, sand, cobble, and gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	No	Yes
23G	WUS 34	Perennial	Waters 23G is a perennial channel located south of the Grosvenor Place/Englishman Drive intersection that flows adjacent to and under I-270 and out of the study area.	-	Silt, sand, cobble Width: 8-10 ft Depth: 6-12 in	Right: forest Left: forest	Yes	Yes
23G_1							Yes	Yes
23G_C							Yes	Yes
23GG	-	PFO	Wetland 23GG is a PFO located west of I-270 and southeast of the Tuckerman Lane/Westlake Drive intersection.	Red maple Northern spicebush Greater water dock (<i>Rumex britannica</i>) New York fern Japanese honeysuckle	-	-	Yes	Yes
23H	-	Ephemeral	Waters 23H is an ephemeral channel located southeast of Englishman Drive that flows south into Waters 23G.	-	Silt, gravel Width: 5 ft Depth: 2 ft	Right: forest Left: forest	Yes	No
23HH	-	PFO	Wetland 23HH is a PFO located west of the I-270 south spur that drains into Waters 23K.	Black tupelo American hornbeam			Yes	Yes
23J	-	PFO	Wetland 23J is located southwest of the Rockledge Drive overpass over I-270 that drains into Waters 23N.	Speckled alder (<i>Alnus incana</i>) Black willow American sycamore			Yes	Yes
23K	-	Perennial	Waters 23K is a perennial channel located west of the I-270 south spur and east of Westlake Drive that originates at a stormwater management pond and flows north into Waters 24A. Waters 23K flows through subsegments 23 and 24.	-	Silt, sand, cobble, gravel Width: 9 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
23K_1							Yes	Yes
23K_C							Yes	Yes
23K_C1							Yes	Yes
23K_D							Yes	Yes
23KK	-	PEM	Wetland 23KK is a PEM located southwest of the Rockledge Drive overpass I-270 that drains into Waters 23N.	Narrowleaf cat-tail Arrowleaf tearthumb			Yes	Yes
23L	-	PEM	Wetland 23L is a PEM located inside the Democracy Boulevard on ramp to I-270 northbound.	Broad-leaf cat-tail Japanese stilt grass	-	-	Yes	Yes
23M	-	Ephemeral	Waters 23M is an ephemeral channel located southeast of Earlsgate Lane and north of I-270 that flows north into Waters 23N.	-	Silt Width: 8 ft Depth: 6 in	Right: forest Left: forest	Yes	No

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/ depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
23N	-	Intermittent	Waters 23N is an intermittent channel located between Windermere Circle and I-270 that flows northwest out of the study area into Old Farm Creek.	-	Sand, cobble, gravel, riprap Width: 9 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
23N_C							Yes	Yes
23N_D							Yes	Yes
23P	-	PFO	Wetland 23P is a PFO located northeast of the intersection of Snow Point Drive and Fleming Avenue.	Green ash Red maple Northern spicebush northern bush honeysuckle Jack-in-the-pulpit (<i>Arisaema triphyllum</i>)	-	-	Yes	Yes
23Q	WUS 33	Perennial	Waters 23Q is a perennial channel located north of the intersection of Rudyard Drive and Farnham Drive that flows into Waters 23R.	-	Sand, cobble, gravel, bedrock, riprap Width: 15 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
23Q_1							Yes	Yes
23Q_2							Yes	Yes
23Q_C							Yes	Yes
23R	-	Perennial	Waters 23R is a perennial channel located east of the I-270/Old Georgetown Road interchange that enters the study area from a culvert and flows east under I-270 and out of the study area.	-	Silt, cobble, gravel, bedrock Width: 15 ft Depth: 8 ft	Right: forest Left: forest	Yes	Yes
23S	-	Intermittent	Waters 23S is an intermittent channel located northeast of the Snow Point Drive/Fleming Avenue intersection that flows east into Waters 23G.	-	Cobble, gravel, riprap Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
23T	-	Ephemeral	Waters 23T is an ephemeral channel located between Thornbush Lane and I-270 that flows into Waters 23G.	-	Silt, cobble, gravel Width: 2 ft Depth: 1 ft	Right: forest Left: forest	Yes	No
23U	-	Intermittent	Waters 23U is an intermittent channel located between Windermere Circle and I-270 that flows north into Waters 23N.	-	Sand, cobble, gravel, riprap Width: 6 ft Depth: 1 ft	Right: forest Left: forest	No	Yes
23V	SB12/NB01-D	Intermittent	Waters 23V is an intermittent channel located northeast of the I-270 Spur/Westlake Terrace intersection that originates from a culvert and flows west under I-270.	-	Silt Width: 2 – 8 ft Depth: 1 in	Right: forest Left: forest	No	Yes
23V_C							No	Yes
23W	PEM 10	PEM	Wetland 23W is a PEM located northeast of the I-270/Democracy Boulevard interchange that flows to Waters 23A.	Green ash Pin oak Common persimmon Reed canary grass Uptight sedge (<i>Carex stricta</i>)	-	-	Yes	Yes
23X	PEM 02	PEM	Wetland 23X is a PEM located southwest of the I-270/Tuckerman Lane intersection that abuts Waters 23J.	Red maple American sycamore Green ash Northern spicebush Skunk-cabbage Virginia-creeper Fox grape	-	-	Yes	Yes
23Z	-	Intermittent	Waters 23Z is an intermittent channel located west of the I-270 south spur and northeast of Motor City Drive that flows north from a parking lot into Waters 23E.	-	Silt, sand Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
Subsegment 24								
24A	-	Perennial	Waters 24A is a perennial channel located north of the I-270/Tuckerman Lane intersection that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt Width: 20 ft Depth: 6 in	Right: forest, scrub-shrub, maintained Left: forest, scrub-shrub	Yes	Yes
24A_1							Yes	Yes
24A_C							Yes	Yes
24C	-	Intermittent	Waters 24C is an intermittent channel located in Cabin John Regional Park that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt Width: 3.5 ft Depth: 5 in	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
24D	-	Perennial	Waters 24D is a perennial channel located north of Waters 24C in Cabin John Regional Park that flows west out of the study area into Cabin John Creek.	-	Cobble, gravel, sand, silt, riprap Width: 3 ft Depth: 4 in	Right: herbaceous Left: forest, scrub-shrub	Yes	Yes
24F	-	Perennial	Waters 24F is a perennial channel located southeast of the I-270/Montrose Road interchange that flows south into a culvert under I-270 and west out of the study area. Waters 24F flows through subsegments 24 and 25.	-	Cobble, gravel, sand, silt Width: 15 ft Depth: 6 in	Right: forest, scrub-shrub Left: forest, scrub-shrub	Yes	Yes
24F_1	WUS 14						Yes	Yes
24F_2	WUS 14						Yes	Yes
24F_3	WUS 14						Yes	Yes
24F_C	-						Yes	Yes
24F_C1	WUS 14						Yes	Yes
24F_C2	WUS 14						Yes	Yes
24H	WUS 15	Perennial	Waters 24H is a perennial channel located west of the I-270/Montrose Road interchange that flows south out of the study area into Waters 24J.	-	Cobble, gravel, sand, silt Width: 5 ft Depth: 1 in	Right/Left: forest, scrub-shrub, wetland	Yes	Yes
24J	-	Perennial	Waters 24J is a perennial channel located west of the I-270/Montrose Road interchange that flows southeast out of the study area into Cabin John Creek.	-	Cobble, sand, silt Width: 14 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
24K	-	Intermittent	Waters 24K is an intermittent channel located southeast of the I-270/Montrose Road interchange that flows southwest into Waters 24F.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
24L	-	Intermittent	Waters 24L is an intermittent channel located southeast of the I-270/Montrose Road interchange that flows southwest into Waters 24F and abuts Wetland 24R.	-	Gravel, silt, sand Width: 1-2 ft Depth: 1-2 in	Right: forest Left: forest	Yes	Yes
24M	-	PEM	Wetland 24M is a PEM located northeast of the I-270/Tuckerman Lane intersection.	Red maple American sycamore River birch Broad-leaf cat-tail Reed canary grass	-	-	Yes	Yes
24N	-	PFO	Wetland 24N is a PFO located in Cabin John Regional Park, half a mile south of the I-270/Montrose Road interchange.	Red maple American elm Northern spicebush Japanese stilt grass Eastern poison ivy	-	-	Yes	Yes
24P	-	Ephemeral	Waters 24P is an ephemeral channel located southwest of the I-270/Montrose Road interchange that flows west into Cabin John Creek.	-	Sand Width: 4 ft Depth: 6 in	Right: forest Left: forest	Yes	No
24Q	-	PFO	Wetland 24Q is a PFO located in Cabin John Regional Park half a mile south of the I-270/Montrose Road interchange that abuts Waters 24D.	Red maple American sycamore Northern spicebush Japanese stilt grass	-	-	Yes	Yes
24R	-	PFO	Wetland 24R is a PFO located southeast of the I-270/Montrose Road interchange, adjacent to Waters 24F and 24L.	Red maple Pin oak Northern spicebush Rambler rose Japanese stilt grass Rice cut grass Eastern poison ivy	-	-	Yes	Yes
24S	-	Ephemeral	Waters 24S is an ephemeral channel located south of the I-270/Montrose Road interchange that flows south into Wetland 24R.	-	Silt, sand, gravel, riprap Width: 6 ft Depth: 4 ft	Right: forest Left: forest	Yes	No
24T	-	Intermittent	Waters 24T is an intermittent channel located west of I-270 and east of Gainsborough Road that flows south into Waters 24U.	-	Silt, sand, gravel, cobble Width: 6 ft Depth: 4ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
24U	-	Perennial	Waters 24U is a perennial channel located west of I-270 and east of Gainsborough Road that flows south out of the study area.	-	Silt, sand, gravel, cobble Width: 20 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
Subsegment 25								
25A	-	Perennial	Waters 25A is a perennial channel located east of the I-270/Montrose Road interchange that originates at a culvert and flows west into Waters 24F.	-	Silt sand, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest, scrub-shrub	Yes	Yes
25A_1	WUS 13						Yes	Yes
25A_C	-						Yes	Yes
25B	PFO 05	PFO	Wetland 25B is a PFO located east of the I-270/Montrose Road interchange that abuts Waters 24F.	Silver maple Red maple Pin oak Northern spicebush Japanese barberry (<i>Berberis thunbergii</i>) Sensitive fern Japanese stilt grass	-	-	Yes	Yes
25C	WUS 14A	Intermittent	Waters 25C is an intermittent channel located east of the I-270/Montrose Road interchange that originates at a culvert and flows east into Waters 24F.	-	Silt, cobble, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
25D	PFO 06	PFO	Wetland 25D is a PFO located east of the I-270/Montrose Road interchange that abuts Waters 24F.	River birch Red maple American sycamore Southern arrow-wood Lamp rush Deer-tongue rosette grass	-	-	Yes	Yes
25E	-	Perennial	Waters 25E is a perennial channel open water pond located south of the I-270/Falls Road interchange within 25-SWM1 that flows into Waters 25H and then east under I-270.	-	Silt, sand, muck Width: 150 ft Depth: Unknown	Right: wetland Left: wetland	Yes	Yes
25F	-	Ephemeral	Waters 25F is an ephemeral channel located east of I-270 and southwest of the intersection of Wootton Parkway and Tower Oaks Boulevard that flows east under Tower Oaks Boulevard and out of the study area.	-	Sand, silt, cobble, clay Width: 10 ft Depth: 5 ft	Right: forest Left: forest	Yes	No
25G	-	Intermittent	Waters 25G is an intermittent channel located southeast of the Preserve Parkway/Tower Oaks Boulevard intersection that flows northeast from a culvert and out of the study area.	-	Sand, cobble, gravel Width: 8-12 ft Depth: 6 ft	Right: forest Left: forest	Yes	Yes
25H	WUS 16	Perennial	Waters 25H is a perennial channel located south of the I-270/Falls Road interchange within 25-SWM1.	-	Silt, sand, gravel Width: 3-4 ft Depth: 3-6 ft	Right/Left: wetlands, stormwater management areas	Yes	Yes
25H_1	-						Yes	Yes
25H_C	WUS 16						Yes	Yes
25K	-	PEM	Wetland 25K is a PEM located south of the I-270/Falls Road interchange within 25-SWM1 and abutting Waters 25H.	American sycamore Groundseltree Crimson-eyed rose-mallow Narrow-leaf cat-tail Lamp rush Shallow sedge	-	-	Yes	Yes
25L	-	Intermittent	Waters 25L is an intermittent channel located east of I-270 and Tower Oaks Boulevard and south of Preserve Parkway that flows northeast from 25-SWM8 into Waters 25G.	-	Silt, sand, gravel Width: 4 ft Depth: 1.5 ft	Right: forest Left: forest	Yes	Yes
Subsegment 26								
26A	PEM 08	PEM	Wetland 26A is a PEM located southeast of the I-270/West Montgomery Avenue interchange that abuts Waters 26B.	Green ash Red maple Black tupelo Southern arrow-wood Eurasian-buttercup (<i>Ficaria verna</i>) White grass	-	-	Yes	Yes

Wetland and Waterway Features Table

Feature ID	Previous Feature #	Classification	Description	Dominant Vegetation	Channel (Approximate widths/ depths)	Cover Type (Left & Right Banks)	USACE Jurisdiction	MDE Jurisdiction
26B	WUS 18	Intermittent	Waters 26B is an intermittent channel located south of the I-270/West Montgomery Avenue interchange that flows southwest under I-270.	-	Silt, sand, cobble, riprap Width: 8 ft Depth: 4 ft	Right: forest Left: forest	Yes	Yes
26B_1							Yes	Yes
26B_C							Yes	Yes
26B_C1							Yes	Yes
26C	-	Intermittent	Waters 26C is an intermittent channel flow located south of Winding Rose Drive that flows northwest and then west under I-270.	-	Sand, cobble, gravel, riprap Width: 9 ft Depth: 1 ft	Right: forest Left: scrub-shrub	Yes	Yes
26C_1	WUS 17						Yes	Yes
26C_C	WUS 17						Yes	Yes
26C_C1	WUS 17						Yes	Yes
26D	-	PEM	Wetland 26D is a PEM located east of Watts Branch Parkway that abuts Waters 26C.	Silver maple Green ash Common persimmon Twinsisters Rambler rose White grass Japanese stilt grass	-	-	Yes	Yes
26E	PFO 09	PEM	Wetland 26E is a PEM located east of Watts Branch Parkway that abuts Waters 26C.	Fowl blue grass	-	-	Yes	Yes
26F	PEM 06	PEM	Wetland 26F is a PEM located south of Winding Rose Drive and abutting Waters 26C.	Red maple Black willow Pinkweed Rice cut grass Virginia-creeper	-	-	Yes	No
26G	WUS 17A	Ephemeral	Waters 26G is an intermittent channel located northwest of the I-270/Great Falls Road interchange that flows north from Wetland 26H.		Silt, cobble, sand, and gravel Width: 6 ft Depth: 3 ft	Right: forest Left: forest	Yes	No
26G_1	WUS 17A	Intermittent					Yes	Yes
26H	PEM 11	PEM	Wetland 26H is a PEM located northeast of the I-270/Great Falls Road interchange.	Green ash Common persimmon Black walnut (<i>Juglans nigra</i>) northern bush honeysuckle Sensitive fern Spotted touch-me-not Eastern poison ivy	-	-	Yes	Yes
26J		Intermittent	Waters 26J is an intermittent channel located south of Winding Rose Drive and abutting Wetland 26F.		Riprap Width: 8 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
Subsegment 27								
27A	WUS 19	Perennial	Waters 27A is Watts Branch, a perennial channel located north of the I-270/West Montgomery Avenue interchange that flows southwest out of the study area.	-	Bedrock, cobble, gravel, concrete, sand, silt Width: 17 ft Depth: 7 in	Right: forest, scrub-shrub, wetland Left: forest, scrub-shrub, wetland	Yes	Yes
27A_1							Yes	Yes
27A_2							Yes	Yes
27A_C							Yes	Yes
27A_C1							Yes	Yes
27B	WUS 19F	Intermittent	Waters 27B is an intermittent channel located northeast of the I-270/West Montgomery Avenue interchange that flows northwest from a culvert into Waters 27A.	-	Silt, sand, cobble, riprap Width: 5 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes
27C	WUS 19C	Ephemeral	Waters 27C is an ephemeral channel located within Wetland 27F that enters the study area through a culvert under Nelson Street and flows southwest into Waters 27D.	-	Silt, sand Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	No
27D	WUS 19D	Intermittent	Waters 27D is an intermittent channel located between I-270 and Nelson Street that flows south from Wetland 27F into Waters 27A.	-	Riprap Width: 4 ft Depth: 1 ft	Right: forest Left: forest	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/ depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
27E	PFO 13	PFO	Wetland 27E is a PFO located between I-270 and Nelson Street that abuts Waters 27B.	Green ash Red maple Common buttonbush Skunk-cabbage	-	-	Yes	Yes
27F	WP001	PFO	Wetland 27F is a PFO located north of the I-270/West Montgomery Avenue interchange between I-270 and Nelson Street that abuts Waters 27C and Waters 27D.	Green ash Pin oak Twinsisters Eastern poison ivy Skunk-cabbage	-	-	Yes	Yes
27G	PSS 01	PSS	Wetland 27G is a PSS located northwest of the I-270/ West Montgomery Avenue interchange that abuts Waters 27H.	Black walnut Black cherry Green ash Smooth blackhaw Skunk-cabbage Eastern poison ivy	-	-	Yes	Yes
27H	WUS 19A	Intermittent	Waters 27H is an intermittent channel located northeast of the I-270/West Montgomery Avenue interchange that flows southwest from Wetland 27G into Waters 27A.	-	Silt, muck, gravel Width: 3 ft Depth: 6 in	Right: herbaceous Left: herbaceous	Yes	Yes
27K	SB7NB2-B	Ephemeral	Waters 27K is an ephemeral channel located between Watts Branch Avenue and West Montgomery Avenue that flows northwest into Waters 27A.	-	Silt, sand, cobble, gravel Width: 3 ft Depth: 1 ft	Right: hedgerow Left: hedgerow	Yes	No
27L	NB3-A	Intermittent	Waters 27L is an intermittent channel located south of the I-270/Shady Grove Road interchange that flows southeast from Wetland 27M and under I-270.	-	Silt, sand, cobble, riprap Width: 2-4 ft Depth: 6 in	Right: hedgerow Left: hedgerow	Yes	Yes
27L_C							Yes	Yes
27M	-	PFO	Wetland 27M is a PFO located between I-270 and the ramp to Redland Boulevard.	Red maple Sensitive fern	-	-	Yes	Yes
27N	WUS 19B	Intermittent	Waters 27N is an intermittent channel located north of the I-270/West Montgomery Avenue interchange that flows west into waters 27A.	-	Silt Width: 2.5 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes
Subsegment 28								
28A	-	Perennial	Waters 28A is a ponded perennial channel located southwest of the I-270/I-370 interchange that flows northwest into Waters 29A.	-	Riprap Width: 140-385 ft Depth: 2-10 ft	Right: maintained park Left: commercial development	Yes	Yes
28B	WUS 21	Intermittent	Waters 28B is an intermittent channel located southwest of the I-270/I-370 interchange that flows northwest into Waters 29A.	-	Concrete Width: 6 ft Depth: 6 in	Right: forest Left: forest	No	Yes
Subsegment 29								
29A	WUS 20	Perennial	Waters 29A is a perennial channel located northwest of the I-270/I-370 interchange that flows north from a stormwater pond into Muddy Branch. Waters 29A flows through subsegments 28 and 29.	-	Silt, sand, cobble, gravel, riprap Width: 20 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
29A_1	WUS 20						Yes	Yes
29A_2	-						Yes	Yes
29A_C	WUS 20						Yes	Yes
29A_C1	WUS 20						Yes	Yes
29A_C2	WUS 20						Yes	Yes
29B	WUS 23	Perennial	Waters 29B is a perennial channel that flows under I-270 through a culvert located southwest of Bralan Court.	-	Bedrock, sand, cobble, gravel Width: 20 ft Depth: 2 ft	Right: forest Left: forest	Yes	Yes
29B_1							Yes	Yes
29B_C							Yes	Yes
29C	WUS 35	Intermittent	Waters 29C is an channel with intermittent and perennial flow located east of I-270 and south of Muddy Branch Road that flows southwest under I-270 and continues outside the study area into Muddy Branch.	-	Cobble, gravel, riprap Width: 6 ft Depth: 1.5 ft	Right: forest Left: mowed	Yes	Yes

Wetland and Waterway Features Table

FEATURE ID	PREVIOUS FEATURE #	CLASSIFICATION	DESCRIPTION	DOMINANT VEGETATION	CHANNEL (Approximate widths/depths)	COVER TYPE (Left & Right Banks)	USACE JURISDICTION	MDE JURISDICTION
29D	WUS 23A	Intermittent	Waters 29D is an intermittent channel located northeast of the I-270/I-370 interchange south of Gaither Road that flows northwest from a stormwater pond, under I-370, and continues outside the study area into Muddy Branch.	-	Silt, sand, cobble, riprap Width: 4 ft Depth: 3 ft	Right: forest Left: forest	Yes	Yes
29D_D							No	Yes
29E	WUS 35B	Perennial	Waters 29E is a perennial channel located east of I-270 and south of Muddy Branch Road that flows southeast from a stormwater pond into Waters 29C.	-	Silt, cobble, gravel Width: 5 ft Depth: 1 ft	Right: scrub-shrub Left: scrub-shrub	Yes	Yes
29E_1	WUS 35						Yes	Yes
29E_C	WUS 35						Yes	Yes
29F	WUS 35C	Perennial	Waters 29F is a perennial channel located east of I-270 and south of Muddy Branch Road that flows southwest from a stormwater pond into Waters 29C.	-	Silt, cobble, sand, riprap Width: 4 ft Depth: 1 ft	Right: forest, wetland Left: forest	Yes	Yes
29G	PEM 09	PEM	Wetland 29G is a PEM located east of Muddy Branch Road and I-270, adjacent to Waters 29E.	Black willow Spotted touch-me-not Rice cut grass	-	-	Yes	Yes
29H	WUS 35A	Intermittent	Waters 29H is an intermittent channel located southwest of the I-270/Muddy Branch Road intersection that flows west from a stormwater inlet into Waters 29C.	-	Silt, gravel, and riprap Width: 6 ft Depth: 2 ft	Right: mowed Left: mowed	No	Yes
29J	PEM 12	PEM	Wetland 29J is a PEM located east of Muddy Branch Road and I-270, adjacent to Waters 29C and 29F.	American sycamore Willow oak Spotted touch-me-not Small-spike false nettle Common marsh bedstraw (<i>Galium palustre</i>)	-	-	Yes	Yes
29K	-	Intermittent	Waters 29K is an intermittent channel located west of Industrial Drive and north of I-370 that flows north through 29-SWM3 and out of the study area.	-	Silt Width: 3 ft Depth: 6 in	Right: forest Left: forest	Yes	Yes